THE METEOROLOGICAL OFFICE

MONTHLY WEATHER REPORT

COMPILED FROM RETURNS OF OFFICIAL AND VOLUNTARY OBSERVERS

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DECEMBER 1978

VOLUME 95 NUMBER 12

Heavy rain and gales at times, snowy and very cold at end of month.

A ridge of high pressure extending from an anticyclone to the north-east receded during the first few days of the month, allowing a series of fronts to move slowly eastwards over Britain. The Scandinavian anticyclone declined on the 8th and fronts continued to cross the British Isles, mostly from south-west to north-east. A large low-pressure area became centred over Britain on the 14th, but this drifted to northern France on the 16th and a ridge of high pressure from the Azores to Iceland then moved south-east across all parts. Another area of low pressure developed over the Bay of Biscay on the 20th and fronts moved northwards across the British Isles during the next few days. Frontal troughs became slow-moving over central and northern districts between the 24th and the 28th, with a cold easterly airstream persisting over northern Britain, while a mild south-westerly flow developed in the south. A depression moved eastwards across southern counties on the 29th and the cold air then moved south to all areas.

Weather

Except in north-west Scotland, where it was unusually dry, most parts of the United Kingdom had a very wet month, the heavy rainfall causing flooding in parts of the north. Scattered thunderstorms occurred, mainly in southern England. It was also windy, and there were severe gales at times on exposed coasts and hills. Overnight fog in inland areas was occasionally slow to clear, particularly in central England. Mild spells alternated with colder periods throughout December, and it became extremely cold by the 31st. Snow fell widely towards the end of the month, the strong winds causing deep drifts.

Wind

Wind directions were predominantly between east and south-east, although there were occasional south-westerlies. Except during the third week, wind speeds frequently reached gale force in exposed places, and on the 7th gusts of 73 and 74 kt occurred at several high-level stations in northern Britain. Southern districts experienced severe south-westerly gales on the 12th and 13th, when gusts of between 70 and 75 kt were recorded in the Isles of Scilly and along Channel coasts. Several people lost their lives because of the rough weather, and the heavy seas caused flooding, particularly in Portland. East to north-easterly gales spread southwards during the last few days and became severe at times over southern and eastern England.

Temperature

Monthly mean temperatures were between 0 and 1 °C above average over most southern counties of England, in parts of East Anglia and also in a few places in northern Scotland. Mean temperatures were below normal in all other areas, mostly by not more than 1 °C, but by between 1.5 and 2.0 °C in parts of the north Midlands. After a cold start, most areas became mild until around mid-month. Monthly maxima occurred during the second week in all districts and the 10th and 11th were particularly mild. The temperature rose to 16.0 °C at Yeovilton (Somerset) on the 10th and to 16.1 °C at Pen-y-Ffridd (Gwynedd) on the 11th. Colder conditions returned during the third week, but the southern half of Britain had another mild spell between the 24th and the 28th. Cold weather then spread southwards and the end of the month was very cold. On the night of the 30th/31st the temperature fell to −15.2 °C at Gartly and to −15.1 °C at Glenlivet, both in the Grampian Region. Except at a few coastal places in southern and western Britain, temperatures on the 31st remained below 0 °C generally.

Rainfall

Monthly rainfall was well above average in Northern Ireland, where this was the wettest December over the Province as a whole since records began in 1900. England and Wales, taken together, had their wettest December since 1934. In eastern parts of Great Britain, and of Northern Ireland, many places recorded more than twice their average rainfall for the month and some more than three times the normal amount. In marked contrast with all other parts of the United Kingdom, however, much of north-western Scotland was very dry, with less than 25 per cent of the average monthly rainfall. The exceptionally heavy rain in many other areas caused extensive flooding at times, and during the last few days of the month the River Ouse rose to nearly 5 m above its normal level in York, causing the worst floods in the city since 1947. In the 48 hours starting at 09 GMT on the 27th the total rainfall at Silent Valley (Co. Down) was 214.3 mm, and 205.5 mm fell at West Baldwin Reservoir (Isle of Man) during the same period. Both these events are classified as 'very rare falls'.

Snow

Scattered wintry showers occurred during the first few days of the month and also in the early part of the third week. Snow fell more widely between the 20th and the 23rd, but showers of snow and sleet were confined mainly to northern districts from the 24th to the 28th. Frequent falls of snow occurred in all areas during the last few days of the month and accumulated depths of at least 25 cm were measured in level snow in the north. Strong to gale force easterly winds caused considerable drifting, and many small towns and villages in Scotland and north-east England were cut off by snowdrifts. In south-west England, severe gales made the measurement of depths of level snow impossible in some places, but drifts of up to about 2 m were reported on the 31st.

Sunshine

Sunshine was above average in Northern Ireland as a whole, and also in western parts of Great Britain, but totals were below normal almost everywhere else. Much of England and Scotland, away from the west, had a dull month, and less then 50 per cent of the average was recorded in parts of north-eastern England and eastern Scotland. In Shetland, Baltasound, with only 3.4 hours of recorded sunshine, had one of its dullest Decembers since records began in the area early this century.

Fog

Overnight fog developed fairly frequently in eastern, central and south-east England during the first week and also between the 18th and the 23rd. The fog was widespread, dense and freezing at times and it persisted throughout the day in places. Large numbers of motor vehicles were involved in collisions in dense fog in eastern England on the 4th and 5th and in the Greater Manchester area on the 19th. Thick fog also delayed flights at London/Heathrow Airport on the 22nd. Patches of fog occasionally formed at other times during the month in England and occurred from time to time in the Central Lowlands of Scotland and over the Southern Uplands. Coastal fog affected north-eastern England and eastern Scotland on the 11th.

Miscellaneous Phenomena

The Press reported damage to a school in Llandissilio (Dyfed) on the 12th, following a whirlwind.

Table 1 District values

District	air temperature °C					mean 30-cm earth temp °C	rain-days	rainfall	sunshine
	Highest Max*	Lowest Min*	max.	min.	mean				
			difference from average					% of average	
0 Scotland N	14.0	−8.8	−0.5	+0.4	0.0	+0.2	−3	50	75
1 Scotland E	12.5	−11.3	−1.2	+0.4	−0.4	+0.7	+5	187	59
2 England E & NE	13.8	−10.2	−0.9	−0.4	−0.7	+0.3	+8	296	55
3 East Anglia	14.1	−10.2	−0.2	+0.4	+0.1	+0.5	+5	190	78
4 Midland Counties	15.4	−10.9	−0.7	−0.5	−0.6	−0.1	+4	223	74
5 England SE & Central S	14.6	−7.4	+0.2	+0.6	+0.4	+0.4	+5	219	71
6 Scotland W	13.2	−9.2	−1.2	−0.3	−0.7	0.0	0	87	93
7 England NW & Wales N	15.3	−8.6	−1.1	−0.7	−0.9	−0.4	0	121	96
8 England SW & Wales S	15.5	−8.0	−0.2	+0.1	−0.1	+0.1	+4	174	83
N Ireland	13.5	−5.5	−0.6	−0.3	−0.5	+0.3	0	192	118
Scotland	14.0	−11.3	−1.0	+0.2	−0.4	+0.3	+1	108	76
England & Wales	15.5	−10.9	−0.5	−0.1	−0.3	+0.1	+4	204	76

*Highest maximum and lowest minimum of District Value Stations

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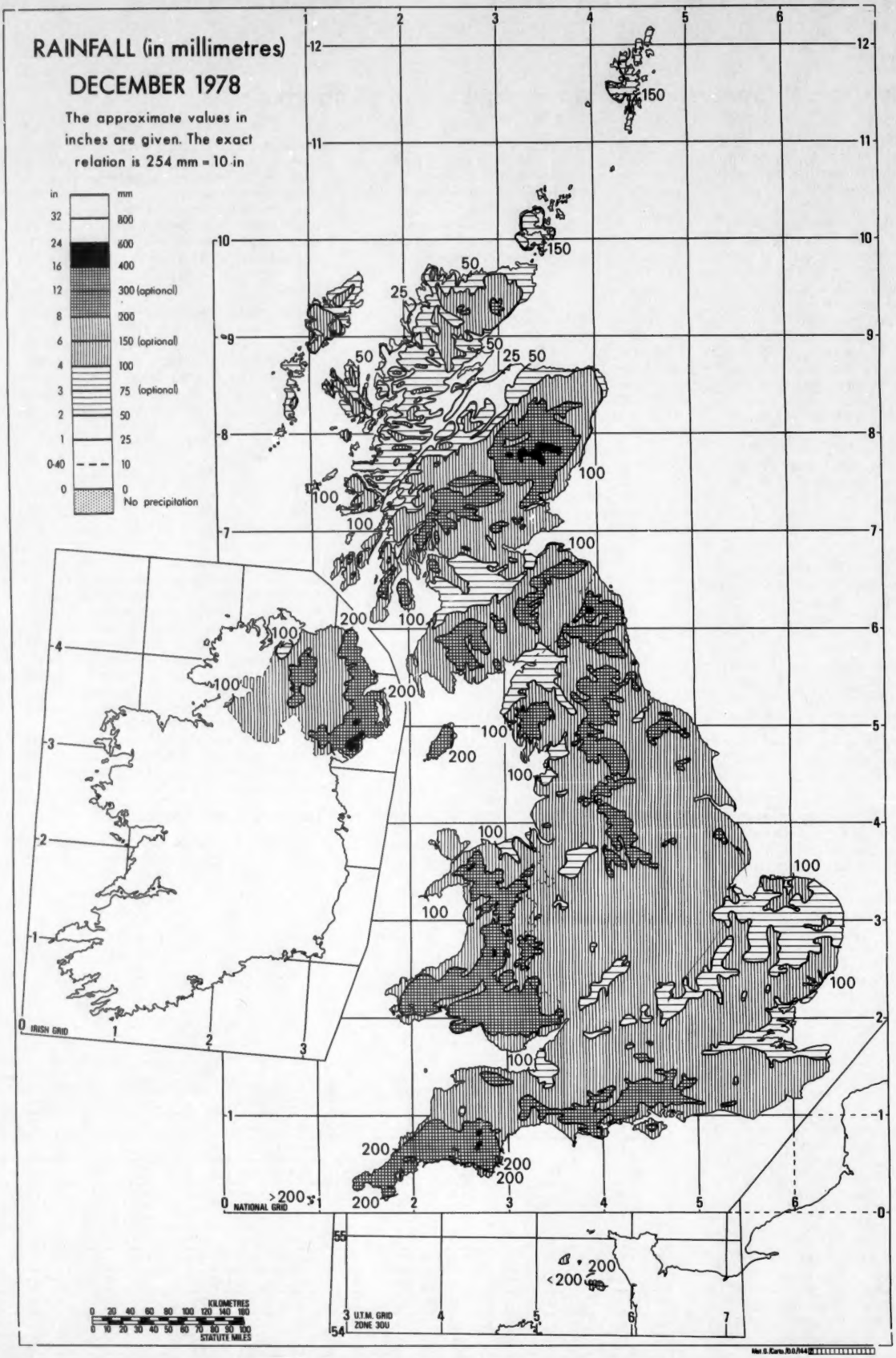
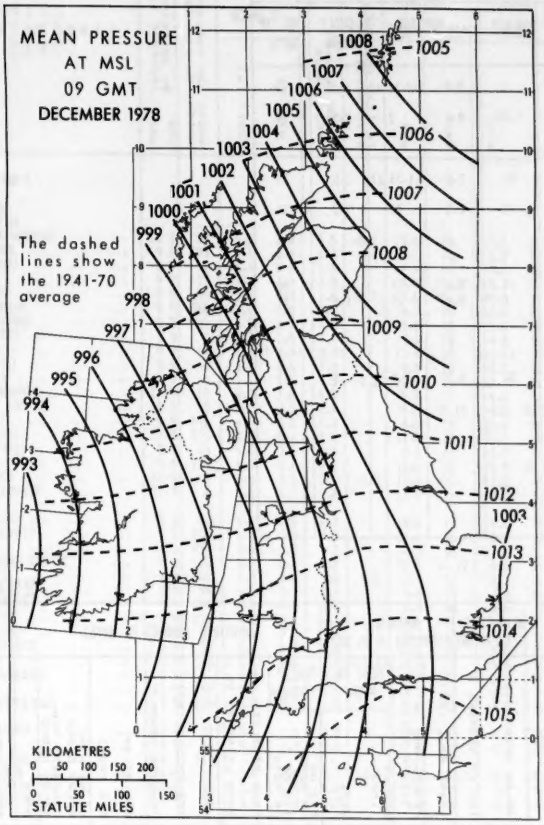
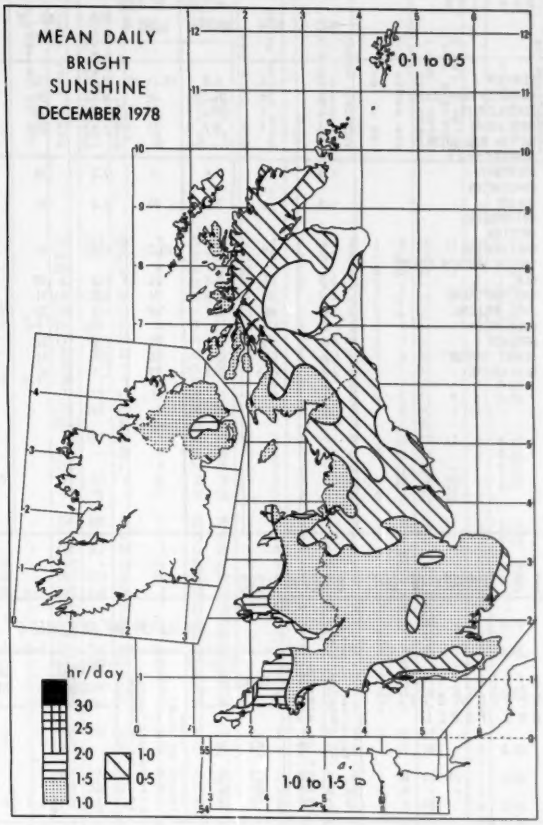
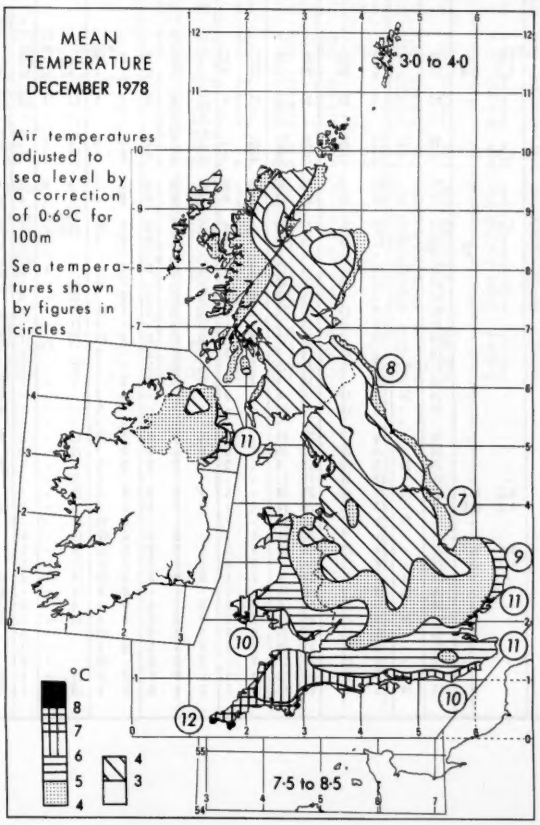
Additional to Monthly Parts, each Annual Volume of the Weather Report includes an explanatory Introduction and a Summary for the Year.


RAINFALL (in millimetres)
DECEMBER 1978
The approximate values in inches are given. The exact relation is 254 mm = 10 in
in
mm
32
800
24
600
16
400
12
300 (optional)
8
200
6
150 (optional)
4
100
3
75 (optional)
2
50
1
25
0·40
10
0
0
No precipitation
IRISH GRID
NATIONAL GRID
U.T.M. GRID ZONE 30U
KILOMETRES
STATUTE MILES


MEAN PRESSURE
AT MSL
09 GMT
DECEMBER 1978
The dashed lines show the 1941-70 average
1008
1007
1006
1005
1004
1003
1002
1001
1000
999
998
997
996
995
994
993
1005
1006
1007
1008
1009
1010
1011
1012
1003
1013
1014
1015
KILOMETRES
0 50 100 150 200
0 50 100 150
STATUTE MILES


MEAN DAILY
BRIGHT
SUNSHINE
DECEMBER 1978
0·1 to 0·5
hr/day
3·0
2·5
2·0
1·5
1·0
1·0
0·5
1·0 to 1·5


MEAN
TEMPERATURE
DECEMBER 1978
Air temperatures adjusted to sea level by a correction of 0·6°C for 100m
Sea temperatures shown by figures in circles
3·0 to 4·0
8
11
7
9
11
10
11
10
12
°C
8
7
6
5
4
4
3
7·5 to 8·5

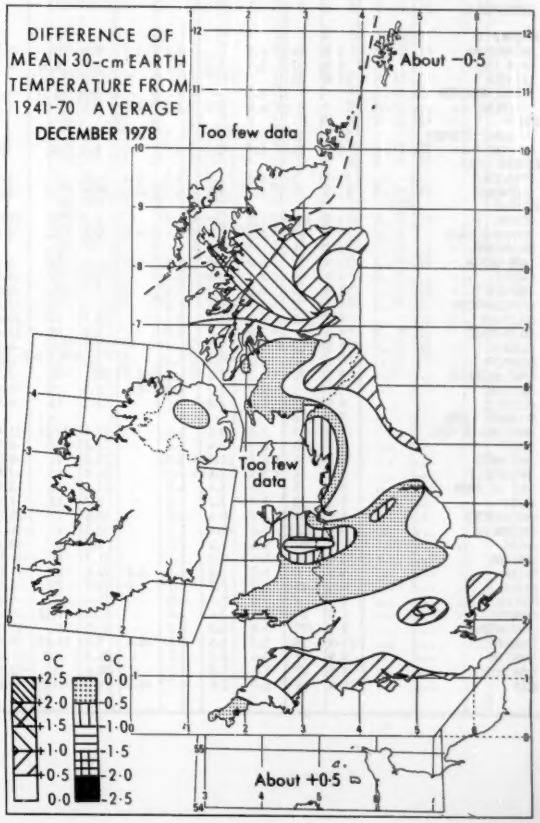

DIFFERENCE OF
MEAN 30-cm EARTH
TEMPERATURE FROM
1941-70 AVERAGE
DECEMBER 1978
About −0·5
Too few data
Too few data
°C
+2·5
+2·0
+1·5
+1·0
+0·5
0·0
°C
0·0
0·5
1·0
1·5
2·0
2·5
About +0·5

TABLE 2 SOLAR RADIATION

DECEMBER 1978

STATION	DAILY GLOBAL IRRADIATION ON A HORIZONTAL SURFACE (MEGAJOULES PER SQUARE METRE)						DAILY DIFFUSE IRRADIATION ON A HORIZONTAL SURFACE (MEGAJOULES PER SQUARE METRE)					
	MAX.	DATE	MIN.	DATE	DAILY MEAN	NO. OF DAYS	MAX.	DATE	MIN.	DATE	DAILY MEAN	NO. OF DAYS
LERWICK	1.1	1	0.0	10.11.12	0.3	30	0.8	1	0.0	10.11.12	0.3	30
ABERDEEN UNIVERSITY	1.9	18	0.1	26	0.7	31						
ESKDALEMUIR	3.6	1	0.1	25	1.2	28	1.7	5.30	0.1	2	0.8	28
MOOR HOUSE	4.3	1	0.2	27	1.1	29						
SUTTON BONINGTON												
GRAFHAM WATER												
ABERPORTH	4.0	19	0.6	11	2.2	29	2.3	14	0.6	11.23.27	1.5	29
CARDINGTON												
SILSOE	4.8	1	0.4	27	2.0	31	2.3	6	0.3	27	1.3	31
ROTHAMSTED												
OARSTON												
WALLINGFORD	3.7	19	0.5	20.21	1.9	31						
LONDON WEATHER CENTRE												
KEW	3.9	6	0.3	21	1.7	30	2.4	14	0.3	21	1.3	30
EASTHAMPSTEAD	3.7	19	0.4	21	1.8	31	2.3	1	0.4	21	1.4	31
EAST MALLING	3.9	18	0.1	20	1.5	31						
RUSTINGTON												
WAREHAM	4.1	19	0.1	27	2.0	31						
JERSEY AIRPORT	5.4	9	0.6	16	2.5	31						
ALDERGROVE	2.8	4.18	0.3	27	1.5	31	1.8	30	0.3	8.27	1.0	31

TABLE 3 SUMMARY OF DAILY OBSERVATIONS

DECEMBER 1978

DISTRICT REGION/COUNTY AND PLACE	MAX. - TERMINAL HEIGHT) MIN. - OF OBSERVATION	HEIGHT OF STATION ABOVE MSL (METRES)	AIR TEMPERATURE IN DEGREES C							MEAN EARTH TEMPERATURE		RAINFALL (TERMINAL H 09 GMT)				WEATHER (NUMBER OF DAYS)									BRIGHT SUNSHINE		
			MEANS OF				HIGHEST MAXIMUM		LOWEST MINIMUM					MOST IN A DAY		PRECIP-ITATION											
			MAX. (A)	MIN. (B)	DAILY MEAN (MEAN OF A+B)	DIFFERENCE FROM 1941-70 AVERAGE	MAX.	DATE	MIN.	DATE	30 CM DEGREES C	100 CM DEGREES C	TOTAL FALL (MM)	PERCENTAGE OF 1941-70 AVERAGE	AMOUNT (MM)	DATE	0.2 MM OR MORE	1.0 MM OR MORE	SNOW OR SLEET	SNOW LYING AT 9H	HAIL	ICE PELLETS,ETC.	THUNDER HEARD	FOG AT 9H	AIR FROST	GRASS MIN. BELOW 0 DEG C	CONCRETE MIN. BELOW 0 DEG C	DALE	DAILY MEAN (HOURS)	PERCENTAGE OF 1941-70 AVERAGE	EXPOSURE
D SCOTLAND N																													
SHETLAND																													
BALTASOUND	9	24	4.8	1.3	3.1	-1.0	8.3	13	-4.8	31	4.6	-	100	74	13	10	24	20	12	4	1	0	0	0	12	-	-	5	0.11	35	S
FAIR ISLE	9	57	5.4	3.2	4.3	-	9.2	10.11	-4.3	31	5.7	6.8	51	-	6	24	23	17	11	3	2	10	0	1	4	9	-	13	0.38	-	-
LERWICK	9	82																													
PSYCHROMETER			4.3	2.5	3.4	-	7.8	10.11	-5.9	29	-	-	63	-	9	23	21	16	14	4	5	3	0	1	5	13	13	3	0.27	54	-
SCREEN			4.4	2.3	3.3	-0.7	8.1	11	-5.6	29	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
ORKNEY																															
KIRKWALL AIRPORT	9	26	5.2	3.1	4.1	-0.2	9.2	10.12	-5.7	31	-	-	89	71	23	25	25	22	13	4	2	7	0	1	4	9	9	3	0.45	58	-
WEYLAND	9	24	5.7	3.2	4.5	-	9.3	12	-3.9	31	4.7	-	72	-	17	25	24	20	10	3	1	4	0	0	3	12	-	4	-	-	-
WESTERN ISLES																															
BENBECULA	9	6	6.8	3.9	5.3	-0.4	12.0	1:	-5.1	31	-	-	97	-	14	8	24	20	5	0	0	2	0	0	5	9	9	2	0.68	76	-
STORNOWAY	9	15	6.7	4.4	5.5	+0.6	11.9	11	-6.8	31	-	-	71	-	12	25	23	13	4	0	0	0	0	0	4	4	4	0	0.66	80	-
HIGHLAND																															
ACHANY	9	107	4.3	0.4	2.3	-	9.7	10	-10.5	31	4.5	-	119	-	22	25	23	20	6	3	1	0	0	0	10	19	-	4	0.52	-	-
ACHNASHELLACH	9	67	6.5	1.7	4.1	+0.4	14.0	10	-8.8	30	-	-	59	23	12	24	21	13	3	5	0	0	0	0	8	-	-	0	-	-	-
BALMACARA	9	4	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0	-	-	-
CAPE WRATH	9	112	6.8	2.8	4.8	-0.5	11.5	12	-5.1	30	-	-	51	42	13	25	17	12	3	3	2	0	0	0	4	5	4	10	0.58	-	S
CASSLEY	9	99	4.7	0.8	2.7	-	9.5	11	-9.5	31	-	-	67	-	12	25	22	16	-	-	-	-	-	-	10	24	-	-	-	-	-
CORPACH	9	8	6.6	2.2	4.4	-	13.9	11	-6.8	31	-	-	42	-	7	9	16	10	0	0	0	0	0	0	7	15	-	0	-	-	-
CRAIGDARROCH	9	38	5.3	-0.4	2.5	-	11.9	11	-12.0	31	-	-	62	-	9	13	20	13	2	6	0	0	0	1	15	20	-	0	-	-	-
DALCROSS	9	11	5.4	0.8	3.1	-	13.1	11	-10.8	31	-	-	25	-	8	13	14	5	-	-	-	-	-	-	7	21	-	1	-	-	-
DALWHINNIE	9	351	2.9	-1.1	0.9	-	9.0	10	-12.4	31	-	-	158	-	69	7	25	15	8	6	0	0	0	0	15	19	-	1	0.16	-	S
DIABAIG	9	60	7.0	3.7	5.3	-	13.7	11	-6.0	31	-	-	28	-	9	22	11	7	2	0	0	0	0	-	3	-	-	6	-	-	-
DOUNREAY	9	21	5.3	(1.4)	(3.3)	-	9.5	11	(-10.0)	31	-	-	(97)	98)	(12)	25	(23)	(19)	5	4	0	2	0	1	7	12	-	3	-	-	-
FORT AUGUSTUS	9	21	6.2	2.3	4.3	+0.7	12.7	10	-7.0	31	-	-	40	-	18	7	16	7	2	0	0	0	0	0	7	-	-	2	0.89	141	-
FORTROSE	9	5	6.0	2.7	4.3	-0.2	12.9	11	-5.6	31	-	-	19	30	7	13	14	6	-	0	-	-	-	0	3	-	-	-	0.98	92	-
GEISGEIL	9	12	6.5	1.8	4.1	-	12.9	13	-9.0	31	-	-	34	-	6	16	17	10	-	-	-	-	-	-	5	-	-	-	0.48	-	-
GLENMORE LODGE	9	341	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
GRANTOWN-ON-SPEY	9	229	3.8	-0.6	1.6	-	11.4	10.11	-13.4	31	-	-	36	-	8	7	20	13	7	11	0	0	0	1	15	27	-	0	0.92	-	-
HEASTE	9	109	6.3	2.4	4.3	-	12.8	11	-8.0	31	-	-	50	-	9	22	12	10	1	0	0	0	0	0	7	11	-	3	-	-	-
INVERNESS	9	4	(6.2)	1.5	(3.9)	-	13.2	11	-8.5	31	-	-	19	32	5	13	11	5	1	0	0	0	0	0	6	-	-	1	0.85	-	-
INVERPOLLY	9	14	(6.5)	(2.6)	(4.5)	-	14.0	11	-7.0	30	-	-	45	-	12	31	15	11	-	-	-	-	-	-	6	12	-	-	-	-	S
ISLE OF RHUM	9	5	7.5	3.4	5.5	-	13.1	11	-3.6	31	6.2	8.1	108	39	20	19	23	18	1	0	0	0	0	0	6	10	-	1	-	-	-
KEITH	9	30	5.8	3.2	4.5	-	9.2	12	-2.8	31	4.8	6.0	58	-	13	14	22	14	5	1	0	3	0	1	5	8	-	8	0.64	-	-
KNOCKANROCK	9	244	4.0	0.4	2.2	-	10.6	11	-10.0	31	-	-	72	27	14	13	19	15	-	7	-	-	-	0	10	16	-	-	-	-	-
LAGGANLIA	9	250	4.6	-0.4	2.1	-	12.3	11	-14.7	31	-	-	65	-	31	7	20	11	8	7	0	0	0	0	12	18	-	6	-	-	-
LAIRG	9	107	4.4	0.4	2.4	-	9.8	11	-10.2	31	3.4	5.3	122	-	21	25	25	19	7	4	0	0	0	0	10	16	-	1	-	-	-
LENTRAN	9	146	4.4	-0.3	2.1	-	11.3	11	-11.5	31	4.7	-	27	-	8	13	14	7	3	0	0	0	0	1	14	26	-	1	-	-	-
NAIRN	9	6	5.6	0.6	3.1	-0.8	12.6	11	-11.6	31	-	-	22	41	9	15	12	4	2	1	0	0	0	0	10	15	-	2	0.98	84	-
ONICH	9	15	6.7	2.2	4.5	0.0	13.0	11	-6.5	31	-	-	56	24	9	7	18	14	-	0	-	-	-	0	8	14	-	-	0.66	106	S
POOLEWE	9	6	7.0	2.7	4.9	-	13.4	11	-9.1	31	-	-	28	-	8	22	13	6	2	0	0	0	0	0	5	9	-	0	0.76	-	S
PRABOST	9	67	6.4	2.4	4.4	-	12.3	11.12	-5.7	31	-	-	60	28	10	22	23	15	2	0	0	0	0	0	5	14	-	7	1.12	-	S
STRATHCONON	9	107	4.6	-0.2	2.2	-	11.9	11	-15.0	31	-	-	85	-	16	13	19	15	6	6	0	0	0	0	13	-	-	0	-	-	-
TARBATNESS	9	18	5.7	3.5	4.6	+0.4	9.9	11.12	-5.9	31	-	-	30	-	6	14	17	10	2	2	0	4	0	0	5	-	-	7	-	-	-
TOMATIN	9	311	3.4	-0.3	1.5	-	10.9	11	-11.6	31	-	-	28	-	4	15	17	11	8	-	0	0	0	0	13	-	-	0	-	-	-
TORRISDALE	9	27	5.4	1.9	3.7	-	10.4	11	-10.0	31	-	-	43	-	7	31	18	10	3	3	1	0	0	0	4	13	-	5	0.36	-	S
WICK	9	36	5.7	3.6	4.7	+0.6	9.3	10.11.12	-7.0	31	-	-	63	74	15	14	22	18	8	2	0	6	0	0	4	10	8	1	0.58	56	-

TABLE 3 SUMMARY OF DAILY OBSERVATIONS

DECEMBER 1978

DISTRICT REGION/COUNTY AND PLACE	MAX.- TERMINAL HIGHT) MIN.- OF OBSERVATION	HEIGHT OF STATION ABOVE MSL (METRES)	AIR TEMPERATURE IN DEGREES C: MEANS OF MAX. (A)	MEANS OF MIN. (B)	DAILY MEAN (MEAN OF A+B)	DIFFERENCE FROM 1941-70 AVERAGE	HIGHEST MAXIMUM: MAX.	HIGHEST MAXIMUM: DATE	LOWEST MINIMUM: MIN.	LOWEST MINIMUM: DATE	MEAN EARTH TEMPERATURE: 30 CM DEGREES C	MEAN EARTH TEMPERATURE: 100 CM DEGREES C	RAINFALL (TERMINAL H 09 GMT): TOTAL FALL (MM)	RAINFALL: PERCENTAGE OF 1941-70 AVERAGE	MOST IN A DAY: AMOUNT (MM)	MOST IN A DAY: DATE	WEATHER (NUMBER OF DAYS): PRECIPITATION 0.2 MM OR MORE	PRECIPITATION 1.0 MM OR MORE	SNOW OR SLEET	SNOW LYING AT 9H	HAIL	ICE PELLETS,ETC.	THUNDER HEARD	FOG AT 9H	AIR FROST	GRASS MIN. BELOW 0 DEG C	CONCRETE MIN. BELOW 0 DEG C	GALE	BRIGHT SUNSHINE: DAILY MEAN (HOURS)	PERCENTAGE OF 1941-70 AVERAGE	EXPOSURE
1 SCOTLAND E																															
GRAMPIAN																															
ABERDEEN																															
DYCE AIRPORT	21-9	58	5.0	2.0	3.5	+0.2	9.8	10	-7.0	31	-	-	160	213	20	8	25	21	12	2	2	6	0	1	8	16	13	0	0.53	36	-
BALMORAL	9	283	3.1	-0.6	1.3	-0.4	10.1	10	-9.8	31	-	-	107	210	29	7	25	22	11	6	0	0	0	-	15	23	-	0	-	-	-
BANCHORY	9	94	4.3	0.8	2.5	-	9.7	11	-7.4	31	-	-	253	-	42	8	26	22	13	3	0	2	0	0	10	14	12	1	0.40	-	-
BANFF	9	24	5.2	2.4	3.8	-	9.4	11-12	-5.3	31	-	-	67	92	9	7	22	15	3	2	0	0	0	0	5	-	-	12	0.43	-	S
BRAEMAR	9	339	3.5	-0.3	1.6	-0.1	9.6	10.11	-10.2	31	-	-	(191)	(195)	38	7	(25)	(21)	-	7	-	-	-	0	12	15	-	-	0.45	70	S
CLASHNOIR	9	338	2.8	-1.0	0.9	-	9.7	11	-13.0	31	2.5	-	160	-	27	7	24	21	15	14	1	0	0	0	16	25	-	8	0.62	-	-
CRAIBSTONE	9	91	4.9	1.7	3.3	-0.2	10.0	10	-6.3	31	4.2	5.9	141	186	18	8	26	22	5	2	0	0	0	0	3	7	14	-	0	0.54	35	-
CULTERTY	9	3	5.7	2.6	4.1	-	9.6	10	-4.6	31	-	-	104	161	10	8	26	21	3	-	0	0	0	0	7	11	-	2	0.31	-	-
ELGIN	9	15	5.3	(1.3)	(3.3)	-	11.6	10	(-11.1)	30	-	-	50	76	10	13	22	15	5	0	0	2	0	1	6	16	-	0	0.44	-	S
FOREHILL	9	40	5.4	2.4	3.9	-	9.9	10	-5.5	31	-	-	92	-	9	4	23	20	6	2	0	0	0	0	5	12	-	2	-	-	-
FORRES	9	5	5.5	1.5	3.5	-0.2	12.5	11	-10.1	31	4.2	5.9	30	-	9	15	20	7	4	0	0	1	0	0	7	17	-	0	0.85	63	S
FRASERBURGH	21-9	19	6.0	3.0	4.5	-	9.9	11	-4.5	31	-	-	77	110	12	23	22	17	8	2	0	1	0	0	5	11	9	6	0.26	-	-
FYVIE CASTLE	9	55	4.5	0.3	2.4	-	9.5	10.11	-9.0	30.31	-	-	172	207	25	8	24	24	4	2	0	0	0	-	9	15	-	4	-	-	S
GARTLY	9	146	4.0	-0.1	1.9	-	9.8	10	-15.2	31	-	-	(208)	-	39	24	26	22	-	-	-	-	-	-	8	19	-	-	-	-	-
GLENLIVET	21-9	215	3.3	-0.1	1.6	-	11.0	10	-15.1	31	-	-	93	101	15	7	25	18	12	9	0	0	0	3	15	17	17	1	0.65	-	S
INVERURIE	9	54	4.6	0.6	2.6	-	9.7	11	-6.5	31	-	-	106	-	20	8	25	23	6	5	0	0	0	0	11	17	-	0	0.31	-	-
KEITH	9	106	4.3	-0.1	2.1	-	10.1	10	-13.9	30.31	-	-	115	-	17	8	24	15	9	3	0	0	0	-	11	20	-	1	0.62	-	S
KINLOSS	21-9	5	5.3	1.5	3.4	-0.6	12.4	11	-11.3	31	5.5	-	31	57	8	15	18	8	7	3	0	2	0	0	10	21	15	2	0.85	-	-
LOSSIEMOUTH	21-9	6	5.5	1.7	3.6	-	11.6	11	-10.3	30	-	-	39	71	6	15	20	15	11	2	0	3	0	0	8	13	12	2	-	-	-
TAYSIDE																															
ARBROATH	9	29	5.7	2.9	4.3	-	9.6	12	-4.8	31	-	-	108	180	15	8	23	19	4	1	0	0	0	0	6	11	-	0	0.71	47	-
ARDTALNAIG	9	130	4.6	0.8	2.7	-	11.6	10	-8.6	31	-	-	232	146	53	7	23	21	7	6	0	0	0	0	12	17	-	1	0.18	-	-
DALL	9	232	3.6	-0.9	1.3	-	10.5	10	-11.8	31	-	-	198	141	58	7	22	18	9	7	0	0	0	0	16	-	-	1	-	-	-
DRUMMOND CASTLE	9	113	4.3	0.3	2.3	-	10.1	10.12	-5.8	31	3.8	-	162	-	18	24	24	22	6	7	0	0	0	-	15	19	-	0	0.38	-	S
DUNDEE	9	45	5.2	2.0	3.6	0.0	10.5	12	-5.3	31	4.0	-	193	279	32	24	25	20	4	4	0	0	0	2	8	18	-	1	0.62	42	-
FASKALLY	9	94	4.4	0.9	2.7	-	9.8	10	-7.3	31	4.0	6.4	143	143	36	7	18	17	4	5	0	0	0	0	11	15	-	0	-	-	-
KINDROGAN	9	259	3.0	-0.8	1.1	-	8.5	10	-9.6	2	-	-	224	-	59	7	23	18	7	8	0	0	0	2	14	21	-	0	-	-	-
KINROSS	9	116	4.5	0.2	2.3	-	10.4	11	-6.0	31	2.9	-	176	-	34	24	20	19	-	5	-	-	-	0	11	20	-	-	0.35	-	-
MONTROSE	9	57	5.4	2.2	3.8	-	9.2	11.12.13	-5.0	31	-	-	150	231	34	8	25	22	4	2	3	0	1	0	7	12	-	0	-	-	-
MYLNEFIELD	9	30	5.2	1.8	3.5	-	10.1	10	-5.6	31	4.3	6.7	216	342	43	24	24	21	5	3	0	0	0	0	8	16	-	0	0.46	-	-
PERTH	9	23	(5.1)	0.6	(2.9)	(-0.4)	10.5	12	-6.8	31	-	-	(181)	(229)	35	8	(25)	(22)	-	3	-	-	-	3	10	-	-	0	-	-	-
STRATHALLAN	9	41	4.8	0.8	2.8	-	10.4	10	-6.0	31	-	-	160	-	23	8	23	21	6	4	0	0	0	0	11	21	-	0	-	-	-
USAN	21-9	30	5.8	3.3	4.5	-	9.5	11	-5.3	31	-	-	108	-	19	8	25	15	4	2	0	1	0	0	5	8	8	11	0.63	-	-
WHITEHILLOCKS	9	258	3.8	-0.1	1.9	-	9.8	10	-9.0	31	-	-	393	304	77	7	25	21	15	9	0	0	0	2	11	-	-	0	-	-	S
FIFE																															
BELLISTON	9	82	5.1	1.8	3.5	-	10.0	12	-5.5	31	5.1	-	133	201	24	27	24	19	5	3	0	3	0	1	10	17	-	1	-	-	-
CUPAR	9	36	5.1	1.0	3.1	-	10.5	10	-5.3	20	3.6	-	160	-	27	27	25	21	6	4	0	1	0	-	12	18	-	0	0.45	-	S
GLENROTHES	9	117	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
LEUCHARS	21-9	10	5.4	1.9	3.7	-0.2	10.5	10.12	-5.5	31	-	-	155	272	28	24	24	20	8	2	0	2	0	1	10	15	15	1	0.68	43	-
PITREAVIE	21-9	40	5.0	1.9	3.5	-	12.6	10	-7.1	31	-	-	139	220	25	24	23	20	7	4	1	0	0	0	9	-	-	1	-	-	-
ST ANDREWS	9	18	5.5	1.8	3.7	-	9.8	10	-4.5	31	4.0	6.2	142	237	27	24	24	21	5	3	0	2	0	2	9	18	-	0	0.46	-	-
LOTHIAN																															
BUSH HOUSE	9	184	4.5	0.0	2.3	-	11.9	10	-7.0	30.31	3.4	5.3	98	129	14	28	25	18	5	3	0	0	0	2	14	25	-	0	0.66	-	-
DUNBAR	9	23	5.8	2.4	4.1	-0.6	11.7	11	-4.0	31	-	-	(136)	(283)	23	27	(23)	(20)	3	2	0	0	0	2	6	15	-	0	0.89	54	-
EDINBURGH																															
EAST CRAIGS	9	61	5.4	0.3	2.9	-	13.1	10	-6.0	31	4.4	-	104	-	19	27	21	19	6	3	1	0	1	1	13	20	-	0	0.78	-	S
ROYAL BOTANIC GARDEN	9	26	5.7	1.1	3.4	-0.7	12.5	10	-4.6	18.20.31	3.7	-	100	189	15	24	20	18	5	3	0	0	1	0	12	20	-	0	0.54	45	-
ROYAL OBSERVATORY																															
BLACKFORD HILL	9	134	5.0	0.8	2.9	-1.4	11.6	10	-4.8	31	-	-	(99)	(183)	(13)	24	(24)	(18)	4	3	0	0	0	0	11	18	-	0	0.72	49	-
TURNHOUSE AIRPORT	21-9	35	5.4	1.7	3.5	-0.4	13.2	10	-6.1	20	-	-	113	205	21	27	23	17	7	3	0	4	1	1	13	21	19	0	0.78	61	-
HADDINGTON	9	49	5.4	0.8	3.1	-	11.6	10	-6.1	20	-	-	120	235	28	27	21	18	7	3	0	4	0	0	11	-	-	0	-	-	S
LIVINGSTON	9	125	4.6	-0.2	2.2	-	12.2	10	-6.5	31	3.4	-	114	-	31	27	22	18	5	4	0	0	0	2	15	26	-	0	-	-	-
NUNRAW ABBEY	9	195	-	-	-	-	-	-	-	-	-	-	(213)	-	(37)	24	(24)	(21)	-	3	-	-	-	-	-	-	-	-	-	-	-
PATHHEAD	9	131	4.7	0.7	2.7	-	12.1	10	-6.9	30	4.0	-	130	-	25	7	24	18	6	3	0	0	0	0	11	20	-	0	-	-	-
PENICUIK	9	189	4.3	-0.2	2.1	-0.9	11.7	10	-8.0	31	3.1	-	110	134	16	28	25	19	8	4	0	0	0	0	14	22	-	0	0.75	74	S
BORDERS																															
BLYTH BRIDGE	9	253	3.8	-0.3	1.7	-	11.8	10	-7.9	31	-	-	92	104	13	27	24	21	12	5	0	0	0	0	14	23	-	0	0.81	-	-
BLYTHE	9	262	3.5	(-0.7)	(1.4)	-	9.6	10	(-7.5)	31	-	-	188	269	23	27	24	21	-	5	-	-	-	-	(17)	-	-	-	1.04	-	-
BONCHESTER BRIDGE	9	146	4.7	-0.5	2.1	-	12.0	10	-8.5	20	-	-	109	-	17	7	23	22	7	4	0	0	0	0	18	-	-	0	-	-	-
BOWHILL (SELKIRK)	9	168	3.9	-0.9	1.5	-	10.8	10	-9.0	20	-	-	175	240	30	27	24	20	11	5	0	1	0	1	16	-	-	2	-	-	-
FLOORS CASTLE	9	59	4.2	0.1	2.1	-	10.0	10.11.12	-7.2	20	-	-	137	244	25	27	25	20	6	3	0	0	0	1	13	-	-	0	-	-	-
GALASHIELS	9	198	3.8	-0.3	1.7	-	10.5	10	-7.9	20	-	-	157	-	25	27	25	20	10	3	0	1	0	1	14	18	-	0	0.88	-	-
GLENTRESS	9	165	4.6	-0.4	2.1	-	11.5	10	-8.7	20	-	-	(151)	(182)	21	27	(25)	(22)	-	3	-	-	-	-	15	-	-	-	-	-	-
GREYCROOK	9	76	(4.4)	(-0.3)	(2.1)	-	10.9	11	(-8.0)	21	3.7	-	121	-	18	8	23	19	7	3	0	0	0	1	14	23	-	0	-	-	-
KELSO	9	34	4.8	0.2	2.5	-	10.9	11	-7.3	20	-	-	133	-	28	28	24	19	8	3	0	0	0	1	14	21	-	0	-	-	-
LEITHOLM	9	64	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
ST ABBS HEAD	9	75	5.4	1.8	3.6	-1.2	(10.5)	10	-4.1	31	-	-	-	-	-	-	-	-	4	2	0	0	0	0	8	11	11	5	-	-	-
STANHOPE FARM	9	226	4.0	-0.3	1.9	-	12.3	10	-8.3	20	-	-	180	160	47	7	26	22	8	5	0	0	0	0	15	22	-	1	-	-	-
WEST LINTON	9	244	4.0	-0.9	1.5	-0.8	11.1	10	-9.2	31	2.8	5.3	(88)	94)	13	7	(22)	(18)	5	4	0	0	0	1	16	20	-	0	-	-	-
WHITCHESTER	9	255	3.5	-0.2	1.7	-	10.0	10	-7.5	31	-	-	212	290	39	27	24	22	11	6	0	7	0	-	15	-	-	10	-	-	-

TABLE 3 SUMMARY OF DAILY OBSERVATIONS

DECEMBER 1978

DISTRICT REGION/COUNTY AND PLACE	MAX. TERMINAL H(GMT) OF OBSERVATION	MIN.	HEIGHT OF STATION ABOVE MSL (METRES)	AIR TEMPERATURE IN DEGREES C: MEANS OF MAX. (A)	MEANS OF MIN. (B)	DAILY MEAN (MEAN OF A+B)	DIFFERENCE FROM 1941-70 AVERAGE	HIGHEST MAXIMUM: MAX.	DATE	LOWEST MINIMUM: MIN.	DATE	MEAN EARTH TEMPERATURE: 30 CM DEGREES C	100 CM DEGREES C	RAINFALL (TERMINAL H 09 GMT): TOTAL FALL (MM)	PERCENTAGE OF 1941-70 AVERAGE	MOST IN A DAY: AMOUNT (MM)	DATE	WEATHER (NUMBER OF DAYS): PRECIPITATION 0.2 MM OR MORE	PRECIPITATION 1.0 MM OR MORE	SNOW OR SLEET	SNOW LYING AT 9H	HAIL	ICE PELLETS,ETC.	THUNDER HEARD	FOG AT 9H	AIR FROST	GRASS MIN. BELOW 0 DEG C	CONCRETE MIN. BELOW 0 DEG C	GALE	BRIGHT SUNSHINE: DAILY MEAN (HOURS)	PERCENTAGE OF 1941-70 AVERAGE	EXPOSURE
6 SCOTLAND W																																
STRATHCLYDE																																
ACHAGLACHGACH	9	9	12	6.2	1.7	3.9	-	12.2	9	-3.3	17	-	-	161	86	23	2	19	15	1	1	0	0	0	0	10	15	-	2	-	-	-
AROS	9	9	37	-	2.7	-	-	-	-	(-4.0)	31	-	-	107	-	18	3	18	16	1	0	0	0	0	2	8	13	-	1	-	-	-
AUCHINCRUIVE	9	9	45	5.7	1.1	3.4	-1.1	13.2	10	-6.6	31	4.9	7.1	67	72	13	8	17	14	5	0	0	0	0	0	14	22	-	0	1.33	110	-
BENMORE(YOUNGER BOTANIC GARDEN)	9	9	12	5.5	1.6	3.5	-	11.7	11	-4.4	18	4.5	-	227	90	38	8	24	19	4	3	0	0	0	0	9	21	-	3	-	-	-
BRODICK CASTLE	9	9	15	6.7	2.6	4.7	-	12.7	10	-3.8	31	5.4	-	165	82	23	8	17	16	5	1	0	0	0	0	8	11	-	0	-	-	-
CAMPS RESERVOIR	9	9	295	3.6	-0.6	1.5	-	11.9	11	-8.0	20,21	-	-	136	110	31	7	23	20	10	6	0	0	0	2	17	-	-	7	-	-	S
CARNWATH	9	9	208	3.8	-1.2	1.3	-	11.0	10	-9.5	18	3.8	-	57	72	9	8	22	15	9	5	0	0	0	0	17	25	24	4	-	-	-
COATBRIDGE	9	9	66	4.9	0.3	2.6	-	12.0	10	-5.5	31	-	-	89	106	11	28	22	19	-	-	-	-	-	-	14	-	-	14	-	-	-
COLONSAY	9	9	35	6.6	3.2	4.9	-	11.8	10	(-2.2)	31	-	-	78	-	17	11	18	17	1	0	0	0	0	4	-	-	-	3	-	-	-
CRAIGHOUSE	9	9	4	7.3	3.4	5.3	-	11.7	10	-3.6	14	-	-	109	-	22	11	19	17	1	0	0	0	0	4	7	-	14	-	-	-	-
CRAWFORDJOHN	9	9	274	3.7	-0.9	1.4	-	11.0	10,11	-10.2	31	4.0	-	-	-	-	-	-	-	7	5	0	0	0	0	16	20	19	4	0.99	-	-
CUMNOCK	9	9	99	5.0	-0.1	2.5	-	12.2	10	-10.0	31	4.1	-	84	-	12	27	20	16	7	1	0	0	0	1	15	19	-	0	0.85	-	-
DUNSTAFFNAGE	9	9	3	7.0	2.9	4.9	-	13.1	11	-3.7	31	-	-	53	-	11	7	15	12	1	0	0	0	0	4	11	-	5	-	-	-	-
EAST KILBRIDE	9	9	178	4.3	0.3	2.3	-	11.7	10	-6.3	31	-	-	95	-	10	8	23	19	5	5	0	0	0	-	14	23	-	0	0.83	-	-
GIRVAN	9	9	8	6.4	1.7	4.1	-	13.3	11	(-5.0)	31	-	-	117	102	16	7	18	17	2	0	0	0	0	0	10	12	-	4	1.63	-	-
GLASGOW																																
ABBOTSINCH AIRPORT	21-9		5	5.2	1.3	3.3	-0.9	13.0	10	-8.6	31	-	-	93	-	11	24	24	20	9	4	0	1	0	1	13	19	19	0	0.64	65	-
SPRINGBURN PARK	9	9	107	4.5	0.5	2.5	-1.0	11.8	10	-6.4	31	-	-	95	93	(110)	30	24	19	9	6	0	0	0	14	10	22	-	0	-	-	-
WEATHER CENTRE (X)	21-9		40	5.5	2.8	4.1	-	12.9	10	-6.5	31	-	-	91	-	13	30	24	19	6	-	0	0	0	1	8	-	-	0	0.71	-	-
GREENOCK	9	9	61	-	-	-	-	-	-	-	-	-	-	134	77	23	7	20	19	-	-	-	-	-	-	-	-	-	-	0.57	90	S
HELENSBURGH	9	9	96	4.6	0.8	2.7	-1.2	11.1	10	-5.7	31	-	-	152	96	21	8	24	19	-	6	-	-	-	0	11	-	-	-	0.75	-	-
HUNTERSTON	9	9	8	6.3	2.3	4.3	-	12.5	10,11	-5.1	31	-	-	(142)	-	37	24	23	20	5	2	0	0	0	0	5	-	-	2	-	-	-
KILDONAN	9	9	18	6.9	3.1	5.0	-	12.2	11	(-3.0)	31	-	-	102	-	16	8	21	16	1	-	0	0	0	0	5	10	11	1	1.15	-	-
KNAPDALE FOREST	9	9	12	5.8	1.1	3.5	-	12.6	10	-8.8	30	-	-	104	-	21	8	20	17	6	1	0	0	0	0	11	17	-	1	-	-	-
LEADHILLS	9	9	388	3.0	-1.2	0.9	-	10.5	11	-9.6	31	-	-	157	91	27	7	26	21	12	11	0	0	0	2	18	22	-	4	-	-	-
MACHRIHANISH	21-9		10	6.4	2.8	4.6	-	12.0	10	-5.9	31	-	-	180	138	25	8	20	16	7	0	0	0	0	0	6	14	11	11	1.18	-	-
MILLPORT	9	9	5	6.7	3.1	4.9	-	12.0	10,11	-1.0	30,31	-	-	124	103	22	24	21	19	6	-	0	0	0	0	2	-	-	4	-	-	-
PAISLEY	9	9	32	5.4	1.5	3.5	-1.0	13.0	10	-5.5	31	4.3	7.7	100	83	11	8,24	23	20	6	4	0	0	0	2	8	19	-	0	0.51	59	-
PRESTWICK	21-9		16	5.3	1.3	3.3	-	13.0	10	-9.0	31	-	-	65	71	14	8	18	16	8	0	0	2	0	0	14	18	18	2	1.41	-	-
RHUVAAL	21-9		20	6.9	4.1	5.5	-	12.0	10,11	-3.0	31	-	-	186	123	31	11	18	18	2	0	0	0	0	0	2	4	3	11	-	-	-
ROTHESAY	9	9	43	6.0	2.6	4.3	-	12.0	11	-4.5	31	4.9	6.9	125	85	18	8	20	17	2	2	0	0	0	0	3	-	-	0	-	-	-
SLOY	21-9		12	5.3	2.3	3.8	-	11.8	10	-6.4	31	-	-	205	-	48	7	25	18	5	-	0	0	0	0	9	-	-	0	-	-	-
STRONACHULLIN	9	9	2	6.9	2.2	4.5	-	12.1	10	-4.5	31	-	-	106	-	15	8	15	14	1	0	0	0	0	0	8	10	-	0	-	-	-
TIREE	21-9		9	7.1	4.5	5.8	-0.4	11.9	10	-5.8	31	-	-	113	87	40	11	20	18	4	0	0	2	0	0	4	9	9	9	1.07	114	-
UPLAWMOOR	9	9	128	4.4	0.1	2.3	-	11.6	10	-6.8	31	-	-	132	-	18	27	24	21	6	4	0	0	0	0	14	20	-	0	-	-	-
CENTRAL																																
ARROCHYMORE	9	9	30	-	-	-	-	-	-	-	-	-	-	167	-	18	24	24	23	5	3	0	0	0	0	-	18	-	0	0.51	-	-
CALLANDER	9	9	107	4.5	0.6	2.5	-	10.8	11	-6.6	31	-	-	153	91	17	2	24	22	6	7	0	0	0	0	12	17	-	0	-	-	-
EARLS HILL	21-9		335	2.6	-0.6	1.0	-	10.0	10	-8.3	31	-	-	152	-	20	24	26	19	8	-	0	0	0	12	14	21	21	2	0.51	-	-
FALKIRK	9	9	3	5.8	1.4	3.6	-	12.5	10	-5.1	31	-	-	108	-	22	27	22	19	4	4	0	0	0	2	10	-	-	0	0.52	-	-
GRANGEMOUTH	9	9	4	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
PARKHEAD	9	9	107	5.6	0.8	3.2	-	12.0	10,11	-5.5	31	3.9	-	114	-	14	24	22	19	-	4	-	-	-	0	10	-	-	-	-	-	-
STIRLING(BATTERFLATS)	9	9	38	5.1	0.7	2.9	-	11.7	10	-6.3	18	4.8	6.7	109	-	15	8	20	17	7	3	0	0	0	0	13	18	-	0	0.40	-	-
DUMFRIES & GALLOWAY																																
BARGRENNAN	9	9	110	(5.5)	0.1	(2.8)	-	12.2	11	-7.2	20	-	-	205	113	39	27	20	17	6	1	0	0	0	1	14	20	-	4	-	-	-
CLATTERINGSHAWS	9	9	178	4.2	0.0	2.1	-	10.5	10	-7.3	20	-	-	273	120	39	7	22	18	11	4	0	0	0	0	15	-	-	0	0.81	-	-
DUMFRIES	9	9	49	5.3	0.8	3.1	-0.8	12.4	10,11	-5.4	20,21	4.8	7.0	132	128	21	7	18	17	5	-	0	0	0	6	13	18	-	2	1.17	96	-
DUNDEUGH	9	9	119	4.8	0.0	2.4	-	10.9	9,11	-7.9	18	4.9	-	172	102	28	27	20	17	2	2	0	0	0	3	15	-	-	0	-	-	-
ESKDALEMUIR	21-9		242																													
PSYCHROMETER				3.3	0.1	1.7	-	11.4	11	-9.4	20	5.7	7.7	193	124	30	28	24	20	12	7	0	1	0	1	16	19	19	0	1.09	84	-
SCREEN				3.5	0.2	1.9	-0.6	11.4	11	-9.2	20	-	-	-	-	-	-	-	-	-	-	-	-	-	-	15	-	-	-	-	-	-
GIRDSTINGWOOD	9	9	98	-	-	-	-	-	-	-	-	-	-	148	-	35	27	16	15	-	-	-	-	-	-	-	-	-	-	1.15	-	-
GLENLEE	9	9	55	5.1	0.0	2.5	-1.2	11.6	10	-7.4	18	-	-	204	116	29	7	20	18	7	2	-	-	-	0	15	22	-	-	-	-	-
GLENLOCHAR BARRAGE	9	9	47	5.4	0.7	3.1	-	12.7	11	-5.2	21	-	-	179	139	33	27	20	17	1	1	0	0	0	1	13	-	-	1	-	-	-
NEWTON STEWART	9	9	46	6.1	0.8	3.5	-	12.7	11	-5.5	31	-	-	(203)	(160)	40	7	19	16	3	-	0	0	0	0	13	22	-	3	-	-	-
PALNURE	9	9	18	6.2	1.1	3.7	-	12.8	11	-4.7	31	-	-	257	183	72	27	20	16	6	1	0	1	0	0	12	20	-	3	-	-	-
THREAVE	9	9	73	5.2	0.6	2.9	-	12.5	11	-5.5	18,20,21	3.8	-	210	160	32	27	18	16	10	1	0	0	0	1	14	23	-	0	-	-	-
2 ENGLAND E & NE																																
NORTHUMBERLAND																																
BOULMER	21-9		23	5.5	2.1	3.8	-	10.0	10	-5.7	31	4.8	6.8	205	-	38	24	25	22	9	2	0	8	0	0	10	10	10	0	0.70	-	-
COCKLE PARK	9	9	99	4.9	0.9	2.9	-	11.4	10	-5.8	31	4.1	-	216	-	41	24	25	22	9	2	0	1	0	1	12	19	-	0	0.65	-	-
HAYDON BRIDGE	9	9	79	4.9	-0.3	2.3	-	13.1	10	-8.3	20	-	-	150	234	42	27	23	19	5	2	0	0	0	2	14	-	-	0	-	-	-
KIELDER CASTLE	9	9	201	3.9	-1.2	1.3	-0.8	10.2	10	-9.6	20	4.3	-	196	177	23	27	23	21	7	6	0	0	0	1	17	-	-	2	-	-	-
LETHAMHILL FARM	9	9	76	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
REDESDALE	9	9	238	3.5	-0.9	1.3	-	10.6	10	-9.3	31	3.5	-	166	-	22	27	24	22	-	6	-	-	-	4	19	22	-	-	0.61	-	-
SEAHOUSES	21-9		11	5.8	2.7	4.3	-	10.5	10	-4.7	31	-	-	161	316	30	24	27	21	5	2	0	0	0	0	10	11	10	6	0.64	-	-
STONEHAUGH	9	9	201	3.8	-1.6	1.1	-	12.1	10	-9.2	20,21	-	-	155	-	25	27	24	21	6	5	0	0	0	16	17	23	-	0	-	-	-
TYNE & WEAR																																
CHOPWELLWOOD	9	9	136	4.8	0.3	2.5	-1.0	11.0	10	-6.0	31	-	-	233	409	44	27	24	20	5	4	0	0	0	7	12	20	-	0	-	-	-
NEWCASTLE WEATHER CENTRE (X)	21-9		74	5.2	1.7	3.5	-	12.3	10	-5.4	31	-	-	200	-	49	27	23	20	10	2	0	4	0	1	10	-	16	0	0.72	-	-
TYNEMOUTH	21-9		30	5.7	2.6	4.1	-0.8	12.9	10	-4.4	31	-	-	161	310	34	24	22	18	4	2	4	0	0	1	9	11	-	8	0.63	51	-
WASHINGTON	9	9	29	5.5	(0.4)	(2.9)	-	12.7	10	-7.4	1	5.0	7.3	196	-	53	27	24	19	4	4	0	2	0	1	11	-	-	0	0.31	-	-

TABLE 3 SUMMARY OF DAILY OBSERVATIONS

DISTRICT REGION/COUNTY AND PLACE	MAX. TERMINAL HIGHT) MIN. OF OBSERVATION	HEIGHT OF STATION ABOVE MSL (METRES)	AIR TEMPERATURE IN DEGREES C: MEANS OF MAX. (A)	MEANS OF MIN. (B)	DAILY MEAN (MEAN OF A+B)	DIFFERENCE FROM 1941-70 AVERAGE	HIGHEST MAXIMUM	HIGHEST MAXIMUM DATE	LOWEST MINIMUM	LOWEST MINIMUM DATE	MEAN EARTH TEMPERATURE (TERMINAL H 09 GMT): 30 CM DEGREES C	100 CM DEGREES C	RAINFALL: TOTAL FALL (MM)	PERCENTAGE OF 1941-70 AVERAGE	MOST IN A DAY: AMOUNT (MM)	MOST IN A DAY: DATE	WEATHER (NUMBER OF DAYS): PRECIPITATION 0.2 MM OR MORE	PRECIPITATION 1.0 MM OR MORE	SNOW OR SLEET	SNOW LYING AT 9H	HAIL	ICE PELLETS ETC.	THUNDER HEARD	FOG AT 9H	AIR FROST	GRASS MIN. BELOW 0 DEG C	CONCRETE MIN. BELOW 0 DEG C	GALE	BRIGHT SUNSHINE: DAILY MEAN (HOURS)	PERCENTAGE OF 1941-70 AVERAGE	EXPOSURE
2 ENGLAND E & NE -CONTINUED																																
DURHAM																																
DURHAM	9 9	102	4.7	0.1	2.4	-1.3	12.1	10	-8.0	1	4.3	7.0	195	369	34	27	27	21	-	3	-	-	-	6	14	21	-	-	0.31	21	S
LOW ETHERLEY	9 9	155	3.8	-0.9	1.5	-	11.1	10	-8.1	20	3.8	7.0	203	-	38	27	25	21	11	5	0	1	0	7	18	23	20	0	-	-	-
WIDDYBANK FELL	9 9	513	2.3	-2.0	0.1	-	10.5	10	-9.4	31	2.9	-	244	-	23	7	25	22	-	15	-	-	-	15	24	26	-	-	0.56	-	-
CLEVELAND																																
HARTBURN GRANGE	9 9	31	5.5	0.2	2.9	-	13.2	10	-8.4	1	-	-	124	276	26	8	24	18	4	4	0	0	0	7	13	20	-	1	0.30	-	-
HARTLEPOOL	9 9	9	6.0	1.4	3.7	-1.0	13.5	10	-7.5	1	-	-	130	265	24	27	18	17	3	4	0	0	0	1	10	-	-	0	0.32	-	-
NORTH YORKSHIRE																																
ASKHAM BRYAN	9 9	33	5.1	0.1	2.6	-	12.5	10	-7.8	1	-	-	155	322	34	27	23	18	4	2	0	0	0	8	15	20	-	0	0.58	46	-
CAWOOD	9 9	6	5.1	0.3	2.7	-	12.8	10	-7.5	1	4.8	6.9	161	359	38	27	22	18	2	2	0	0	0	6	14	20	-	0	0.62	-	-
HIGH MOWTHORPE	9 9	175	4.5	0.5	2.5	-	11.7	10	-6.0	31	4.1	-	197	281	31	27	26	20	5	5	0	0	0	7	14	19	-	0	0.63	-	-
LEEMING	21-9	32	4.6	0.8	2.7	-	12.2	10	-8.7	1	3.9	7.3	125	227	22	27	23	19	6	2	0	0	0	7	15	18	16	0	0.59	-	-
MALHAM TARN	9 9	395	3.0	-1.1	0.9	-1.2	10.2	10	-7.8	31	-	-	183	125	31	27	21	20	10	10	0	0	0	11	19	24	-	0	-	-	-
PICKERING	9 9	44	5.2	0.4	2.8	-	12.9	10	-7.4	20	5.2	-	158	255	25	27	26	21	7	4	2	0	0	6	13	18	-	0	-	-	-
SCARBOROUGH	9 9	52	6.4	2.0	4.2	-	12.6	11	-4.5	31	4.8	7.1	142	241	33	27	22	18	5	2	0	0	0	4	8	15	13	7	0.50	42	-
SILPHO MOOR	9 9	203	5.1	0.7	2.9	-	11.8	10	-4.2	31	4.3	-	228	275	55	27	26	20	4	4	0	0	0	8	15	21	-	0	0.40	-	-
SNAITEHOLME	9 9	290	3.8	-1.1	1.3	-	12.0	10	-9.0	20	3.8	-	201	-	32	27	23	19	9	6	0	0	0	11	20	24	-	0	0.51	-	S
WHITBY	9 9	41	6.0	1.5	3.7	-	13.3	10	-5.2	1	-	-	135	-	31	27	23	17	5	2	0	3	0	0	11	14	-	1	0.74	-	-
WHITBY(COASTGUARD)	21-9	60	6.0	2.3	4.1	-	14.8	10	-6.6	31	-	-	109	-	25	24	23	15	4	2	0	0	0	1	10	12	12	6	-	-	-
YORK(HESLINGTON)	9 9	19	5.5	0.5	3.0	-	12.7	10	-7.0	1	4.8	6.6	142	296	31	27	25	17	3	2	0	0	0	8	14	20	-	0	0.56	-	-
HUMBERSIDE																																
BRIDLINGTON	9 9	48	(6.4)	1.5	(3.9)	-	12.1	10	-4.9	31	-	-	155	238	25	27	22	18	5	2	0	3	1	-	11	16	-	12	0.54	-	-
CLEETHORPES	9 9	7	6.3	1.9	4.1	-0.4	12.9	10	-4.1	19	-	-	145	-	20	27	24	20	-	2	-	-	-	4	8	-	-	-	0.43	29	-
HULL	9 9	2	6.4	1.8	4.1	-0.4	13.1	10	-5.0	1	4.6	7.8	160	296	29	27	24	20	4	4	0	0	0	2	8	14	-	0	0.87	76	-
LINCOLNSHIRE																																
BINBROOK	21-9	108	5.1	1.6	3.3	-	12.6	10	-5.8	1	-	-	170	279	24	27	26	21	11	4	0	2	0	9	12	16	14	0	0.76	-	-
CAISTOR	9 9	21	6.0	1.1	3.5	-	12.9	10	-8.2	1	-	-	166	-	22	27	25	19	-	-	-	-	-	-	12	-	-	-	-	-	-
CRANWELL	9 9	62	5.6	0.5	3.1	-0.8	13.2	10	-7.6	1	4.0	6.1	146	325	20	28	23	21	4	3	0	2	0	8	15	17	16	0	1.25	74	-
KIRTON	9 9	4	6.2	1.2	3.7	-	13.2	10	-9.6	1	5.7	8.2	113	-	18	27	23	20	6	4	0	0	0	7	9	15	-	0	1.00	-	-
LINCOLN	9 9	6	5.8	0.9	3.3	-0.4	13.8	10	-9.1	1	5.6	7.1	159	-	22	27	24	20	7	1	0	0	0	6	15	19	-	0	0.94	-	S
SKEGNESS	9 9	5	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
SUTTON BRIDGE	9 9	4	(6.7)	(1.3)	(4.0)	-	13.7	10	-9.8	1	-	-	92	193	17	27	22	19	3	-	0	0	0	-	8	(17)	-	0	-	-	-
WADDINGTON	21-9	68	5.4	1.4	3.4	-0.5	13.0	10	-8.9	1	-	-	163	340	22	27	25	20	8	3	0	0	0	13	12	15	13	0	1.00	66	-
3 EAST ANGLIA																																
NORFOLK																																
COLTISHALL	21-9	17	6.9	2.6	4.7	-	13.2	10	-6.2	19	-	-	89	158	16	27	23	14	8	2	0	2	0	3	7	16	12	0	-	-	-
CROMER	9 9	54	6.9	2.8	4.9	+0.2	12.8	10	-4.0	31	-	-	102	172	17	28	23	16	5	-	0	1	0	1	6	11	-	0	1.16	72	-
GORLESTON	9 9	2	7.5	3.6	5.5	+0.4	12.0	9.11	-2.3	31	6.2	8.7	61	109	12	27	14	10	3	-	0	0	0	1	1	-	-	3	0.93	58	-
MARHAM	21-9	23	6.7	1.3	4.0	-	13.5	10	-9.0	1	-	-	92	-	17	27	23	16	4	5	0	0	0	2	9	17	13	0	1.32	-	-
MORLEY ST BOTOLPH	9 9	46	6.4	1.8	4.1	-	12.5	10	-4.4	19	5.1	-	90	-	15	27	20	16	3	1	0	0	0	2	10	16	-	0	1.23	-	-
SANTON DOWNHAM	9 9	24	6.7	0.8	3.7	-	13.5	10	-10.0	1	5.5	7.5	95	168	14	27	22	16	-	4	-	-	-	2	12	23	-	-	0.95	-	-
SCOLE	9 9	27	6.8	1.8	4.3	-	12.8	10	-6.8	19	4.3	6.1	99	-	15	15	18	16	4	3	0	0	0	1	10	12	-	0	1.23	-	S
TERRINGTON ST CLEMENT	9 9	3	6.5	1.5	4.0	-0.2	13.5	10	-10.2	1	5.2	-	97	203	17	27	25	20	4	4	0	0	0	4	8	15	-	0	1.41	99	-
CAMBRIDGESHIRE																																
BOXWORTH	9 9	53	6.3	1.0	3.7	-	13.9	10	-9.6	1	-	-	117	255	17	7	21	18	4	2	0	0	0	7	13	14	-	0	1.20	-	-
CAMBRIDGE																																
BOTANIC GARDEN	9 9	12	6.8	1.4	4.1	-0.1	14.1	10	-9.4	1	5.1	7.6	111	241	13	10	19	16	3	3	0	0	0	3	10	18	-	0	-	-	-
NATIONAL INSTITUTE OF AGRICULTURAL BOTANY	9 9	24	7.3	1.6	4.5	-	14.0	10	-9.6	1	-	-	99	221	15	7	20	18	3	1	0	0	0	5	10	17	-	0	1.20	77	-
MARCH	9 9	2	6.7	1.2	3.9	-	13.8	10	-9.2	1	-	-	103	220	15	27	22	18	-	-	-	-	-	-	11	-	-	-	-	-	-
MARHOLM	9 9	21	6.3	0.6	3.5	-	13.6	10	-9.9	1	-	-	114	-	15	7	22	18	-	-	-	-	-	5	14	19	-	-	-	-	-
MEPAL	9 9	-2	6.4	1.0	3.7	-	12.7	11	-10.2	1	6.0	9.8	101	-	17	7	22	19	-	3	-	-	-	-	10	16	-	-	1.55	-	-
MONKS WOOD	9 9	39	6.5	1.2	3.9	-	13.7	10	-9.2	1	5.4	-	111	241	15	27	21	18	3	2	0	0	0	6	13	16	-	0	1.24	-	S
WITTERING	21-9	73	5.9	1.7	3.8	-	13.9	10	-7.1	1	-	-	130	-	16	27	21	19	8	3	0	1	0	9	12	15	14	0	1.55	-	-
WYTON	21-9	40	6.3	2.2	4.3	-	14.2	10	-7.8	1	-	-	99	220	17	7	20	18	6	1	0	1	0	8	10	15	13	0	-	-	-
SUFFOLK																																
ALDEBURGH	- -	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
BROOMS BARN	9 9	75	6.4	1.8	4.1	-	13.5	10	-6.9	1	4.6	6.8	90	173	13	7	21	17	3	5	0	1	0	3	10	13	-	1	1.27	-	-
CAVENDISH	9 9	55	6.4	1.6	4.0	-	13.6	10	-6.7	1	5.1	-	95	-	12	7	21	18	4	3	0	0	0	4	10	15	-	0	-	-	-
EAST BERGHOLT	9 9	5	(7.0)	1.5	(4.3)	-	12.9	10	-8.0	1	-	-	120	226	15	12	23	18	2	2	0	0	1	3	11	17	-	0	-	-	-
HAUGHLEY	9 9	58	(6.4)	(1.8)	(4.1)	-	12.7	10	-6.9	1	6.0	-	88	-	12	7	19	17	-	3	-	-	-	-	10	(17)	-	-	-	-	-
HONINGTON	21-9	49	6.3	2.3	4.3	-	13.4	10	-7.5	31	-	-	91	174	12	10	21	15	5	4	0	0	0	3	10	12	12	0	1.21	-	-
LEVINGTON	9 9	22	7.0	2.6	4.8	-	12.5	10	-5.4	31	-	-	109	-	15	7	21	20	3	5	0	1	1	2	9	12	-	2	0.98	-	-
LOWESTOFT	9 9	25	7.0	3.4	5.2	+0.5	11.5	9	-2.4	31	5.4	7.0	77	141	11	27	20	15	3	2	0	0	0	2	3	7	5	2	(0.76)	-	S
WATTISHAM	21-9	89	6.1	2.3	4.2	-	12.8	10	-6.7	31	-	-	97	179	12	7	20	16	4	4	0	1	1	4	8	13	11	0	0.97	-	-
BEDFORDSHIRE																																
CARDINGTON	21-9	29	6.5	1.5	4.0	-	14.7	10	-8.1	1	5.7	8.0	98	218	12	7	23	19	6	2	0	1	0	5	12	17	14	0	1.36	-	-
LUTON	9 9	158	6.2	-	-	-	13.4	11	-	-	-	-	116	190	16	10	18	17	-	-	-	-	-	7	-	-	-	-	-	-	-
SILSOE	9 9	59	6.6	0.8	3.7	-0.4	14.0	10	-9.0	1	4.5	7.6	91	197	11	13	21	19	5	3	0	0	0	7	16	18	16	-	1.09	65	-
WOBURN	9 9	89	6.4	1.0	3.7	-0.2	14.1	10	-10.1	1	5.5	8.5	107	198	13	13	22	19	3	2	0	0	0	5	15	15	-	0	0.88	58	-
HERTFORDSHIRE																																
ALDENHAM SCHOOL	9 9	91	6.4	1.5	3.9	-	13.1	10	-7.1	1	5.5	-	141	227	28	10	24	20	3	2	0	0	0	6	13	19	16	0	-	-	-
GARSTON	9 9	78	7.2	1.9	4.5	-	13.5	10	-6.7	1	-	-	129	212	26	10	21	19	5	2	0	1	0	5	12	18	16	0	0.99	-	-
HODDESDON	9 9	43	7.3	1.8	4.5	-	13.9	10.11	-5.4	1	6.0	-	126	218	21	10	21	18	4	2	0	0	0	-	12	18	-	1	1.06	-	-
ROTHAMSTED	9 9	128	6.4	1.2	3.8	+0.1	13.4	11	-5.8	31	6.0	8.4	128	200	18	10	23	20	4	2	0	0	0	8	13	17	-	0	1.15	76	S
ST ALBANS	9 9	83	6.8	1.7	4.3	+0.4	13.6	10	-6.1	1	6.3	-	125	216	23	10	21	19	5	2	0	0	0	7	12	18	-	0	1.09	-	S
STANSTEAD ABBOTTS	9 9	30	-	-	-	-	-	-	-	-	4.5	7.6	106	197	18	10	18	15	-	1	-	-	-	-	-	-	-	-	-	-	-	-
ESSEX																																
CLACTON-ON-SEA	9 9	16	7.0	3.1	5.1	+0.2	10.8	11	-4.2	31	7.0	8.9	100	185	19	7	19	17	3	2	0	0	0	1	3	10	-	1	0.97	58	-
HALSTEAD	9 9	70	6.5	1.8	4.1	-	13.2	10	-5.9	1	5.3	7.5	108	-	15	7	23	18	4	3	1	0	1	4	11	17	-	1	-	-	-
LITTLE PARNDON	9 9	54	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
SHOEBURYNESS	21-9	2	7.3	3.5	5.4	+0.3	13.1	10.11	-4.5	31	-	-	72	160	13	7	21	17	3	1	0	1	0	3	7	15	12	0	1.09	75	-
STANFORD-LE-HOPE	9 9	6	7.6	2.5	5.1	-	14.5	10	-4.5	1.31	-	-	99	-	17	30	22	18	-	-	0	0	0	2	9	-	-	0	1.29	-	-
STANSTED	21-9	101	6.1	1.8	3.9	-	13.5	10	-7.2	31	-	-	120	211	18	7	22	18	6	2	0	1	1	6	11	15	13	0	-	-	-
WRITTLE	9 9	35	7.0	1.6	4.3	0.0	14.1	10	-8.2	1	5.7	-	103	198	17	7	20	17	0	1	0	0	0	3	14	19	-	0	1.03	72	S

TABLE 3 SUMMARY OF DAILY OBSERVATIONS

DECEMBER 1978

DISTRICT REGION/COUNTY AND PLACE	TERMINAL (HIGHT) OF OBSERVATION MAX.	MIN.	HEIGHT OF STATION ABOVE MSL (METRES)	AIR TEMPERATURE IN DEGREES C: MEANS OF MAX. (A)	MEANS OF MIN. (B)	DAILY MEAN (MEAN OF A+B)	DIFFERENCE FROM 1941-70 AVERAGE	HIGHEST MAXIMUM	DATE	LOWEST MINIMUM	DATE	MEAN EARTH TEMPERATURE: 30 CM DEGREES C	100 CM DEGREES C	RAINFALL (TERMINAL H 09 GMT): TOTAL FALL (MM)	PERCENTAGE OF 1941-70 AVERAGE	MOST IN A DAY: AMOUNT (MM)	DATE	WEATHER (NUMBER OF DAYS): PRECIPITATION 0.2 MM OR MORE	PRECIPITATION 1.0 MM OR MORE	SNOW OR SLEET	SNOW LYING AT 9H	HAIL	ICE PELLETS,ETC.	THUNDER HEARD	FOG AT 9H	AIR FROST	GRASS MIN. BELOW 0 DEG C	CONCRETE MIN. BELOW 0 DEG C	GALE	BRIGHT SUNSHINE: DAILY MEAN (HOURS)	PERCENTAGE OF 1941-70 AVERAGE	EXPOSURE
4 MIDLAND COUNTIES																																
WEST YORKSHIRE																																
BRADFORD	9	9	134	4.5	-0.1	2.2	-1.7	12.3	10	-6.4	20	4.7	7.6	195	224	43	27	23	18	6	2	0	0	0	8	17	23	-	0	0.49	58	S
BRAMHAM	9	9	54	4.9	-0.6	2.1	-	12.6	10	-11.7	31	-	-	177	327	46	27	25	18	7	2	0	0	0	9	16	21	-	0	-	-	-
HUDDERSFIELD(OAKES)	21	9	232	3.8	0.2	2.0	-1.7	12.3	10	-8.8	31	3.1	5.6	196	196	45	28	23	19	11	8	0	0	0	10	16	19	18	0	-	-	-
ILKLEY	9	9	83	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
PONTEFRACT	9	9	78	5.1	0.5	2.8	-1.3	12.7	10	-6.9	1	-	-	147	341	37	27	24	18	8	2	0	1	0	8	13	-	-	0	-	-	-
TODMORDEN	9	9	160	4.8	-0.1	2.3	-	13.0	10	-8.0	20	-	-	195	-	41	28	23	19	11	4	0	2	0	3	17	-	-	0	-	-	-
WILSDEN	9	9	262	3.8	-0.8	1.5	-	13.2	10	-8.9	2	-	-	204	-	41	27	23	(19)	9	7	0	3	0	13	19	24	24	0	-	-	-
SOUTH YORKSHIRE																																
FINNINGLEY	21	9	10	5.3	1.1	3.2	-	12.9	10	-7.9	1	-	-	171	398	29	27	22	20	8	3	0	0	0	4	14	18	16	0	0.94	-	-
SHEFFIELD																																
DORE	9	9	206	4.6	0.1	2.3	-	13.0	10	-5.6	1,31	-	-	225	-	39	28	24	21	8	9	0	0	0	12	16	24	-	0	-	-	-
WESTON PARK	9	9	131	5.0	0.8	2.9	-1.7	12.8	10	-5.9	1	4.0	7.1	208	281	33	27,28	23	22	(8)	6	0	0	0	-	14	15	-	0	0.80	70	S
DERBYSHIRE																																
ASHOVER	9	9	178	4.8	0.3	2.5	-	13.0	10	-7.6	1	-	-	226	-	31	28	23	22	8	8	0	0	0	10	16	21	-	0	1.20	-	-
BUXTON	9	9	307	3.9	-0.9	1.5	-1.4	12.5	10	-9.1	1	3.3	4.7	187	133	27	28	24	22	7	8	0	0	0	9	18	22	-	0	-	-	S
DERBY	9	9	48	5.8	1.0	3.4	-	14.0	10	-8.1	1	-	-	147	249	23	27	22	20	6	2	0	0	0	4	14	19	-	0	0.76	-	S
WINGERWORTH	9	9	116	4.7	-0.2	2.3	-	13.0	10	-9.7	1	4.9	-	209	-	35	28	22	21	10	7	0	0	0	12	16	24	-	0	0.99	-	-
NOTTINGHAMSHIRE																																
MANSFIELD	9	9	114	5.2	0.5	2.9	-1.1	13.2	10	-9.3	1	-	-	194	-	25	27	23	21	6	4	0	0	0	5	15	19	-	0	-	-	-
NEWTHORPE	9	9	58	(6.2)	(0.6)	(3.4)	-	13.7	10	-7.5	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	15	-	-	-	-	-	-
NOTTINGHAM	9	9	59	6.4	0.3	3.3	-1.2	13.8	10	-9.0	1	5.6	5.0	152	317	21	27	(20)	(19)	5	4	0	0	0	9	20	25	-	0	0.90	80	-
SUTTON BONINGTON	9	9	48	6.4	0.2	3.3	-0.8	14.4	10	-10.2	1	5.5	7.5	143	275	19	14	20	19	5	4	0	0	0	3	15	19	18	0	1.06	87	-
WARSOP	9	9	46	5.3	0.4	2.9	-	13.3	10	-9.7	1	-	-	183	373	23	27	22	21	6	3	0	0	0	11	17	22	-	0	1.05	-	-
WATNALL	21	9	117	5.2	1.1	3.1	-0.9	13.4	10	-8.3	1	-	-	177	285	26	27	23	19	8	5	0	4	0	11	11	21	15	0	0.83	67	-
STAFFORDSHIRE																																
KEELE	9	9	179	5.1	0.2	2.7	-	13.1	10	-8.1	20	3.9	7.4	116	155	22	27	24	19	7	8	0	0	0	10	17	21	20	0	0.98	-	-
OAKEN	9	9	125	-	-	-	-	-	-	-	-	5.1	-	115	186	14	28	22	19	7	7	0	0	0	8	-	15	-	0	-	-	S
PENKRIDGE	9	9	101	6.2	0.2	3.2	-	14.0	10	-7.5	20	-	-	117	192	15	28	22	22	6	7	0	0	0	5	16	20	-	0	1.03	-	-
STONE	9	9	107	5.0	-0.3	2.3	-	13.8	10	-8.2	20	-	-	124	185	19	27	22	19	10	7	0	0	0	8	16	23	-	0	0.84	-	-
LEICESTERSHIRE																																
CALDECOTT	9	9	53	6.0	1.0	3.5	-	13.8	10	-10.6	1	-	-	123	256	13	7	22	18	5	1	0	0	0	8	13	17	-	0	1.33	-	-
NEWTOWN LINFORD	9	9	119	5.4	0.6	3.0	-	13.4	10	-8.6	1	-	-	157	276	22	28	23	20	7	6	0	1	0	7	16	14	-	0	1.14	-	-
SALOP																																
HAMPTON LOADE	9	9	70	6.3	0.7	3.5	-	14.4	11	-8.0	1	-	-	120	-	16	13	21	16	-	-	-	-	-	-	15	21	-	-	1.05	-	-
NEWPORT	9	9	64	5.7	0.6	3.1	-0.8	14.1	10	-6.0	1	-	-	101	177	16	27	21	20	7	5	0	0	0	5	14	21	-	0	1.11	89	S
OSWESTRY	9	9	174	5.5	0.6	3.1	-1.2	13.5	10	-6.0	31	-	-	-	-	-	-	-	-	7	10	1	0	-	4	16	20	-	-	0.98	62	S
PRESTON MONTFORD	9	9	67	6.2	0.7	3.5	-	-	-	-8.0	1	4.5	6.7	117	-	16	13	21	19	5	6	0	0	0	0	15	19	-	0	0.73	-	S
SHAWBURY	21	9	72	5.9	1.4	3.7	-0.5	15.4	10	-7.4	1	-	-	99	165	15	27	21	18	8	4	0	0	0	7	15	20	19	0	0.93	67	-
SHREWSBURY	9	9	56	6.0	0.8	3.4	-1.1	14.1	10	-6.4	1	5.2	7.5	97	177	11	13	20	19	7	4	0	0	0	5	14	21	-	0	1.00	67	-
WEST MIDLANDS																																
BIRMINGHAM																																
EDGBASTON	21	9	163	5.5	2.1	3.8	-0.7	14.0	10	-5.7	31	6.0	-	160	226	21	13	23	21	8	7	0	1	0	9	14	15	14	0	1.28	95	-
ELMDON AIRPORT	21	9	96	5.9	1.4	3.7	-0.4	14.5	10	-10.9	1	-	-	134	-	18	13	22	19	8	6	0	2	0	7	14	15	13	0	1.36	101	-
KING EDWARD,S SCHOOL	9	9	137	6.1	0.5	3.3	-	13.0	10	-5.6	1	-	-	147	220	18	13	24	21	-	5	-	-	-	6	18	-	-	-	-	-	-
COVENTRY AIRPORT	9	9	81	(6.1)	(0.8)	(3.5)	-	14.2	10	-6.2	1	(6.2)	(7.3)	123	-	17	13	22	17	2	-	0	0	0	-	14	-	-	0	-	-	-
WARWICKSHIRE																																
LUDDINGTON	9	9	56	6.5	1.3	3.9	-	14.8	10	-7.1	1	-	-	91	-	15	13	21	18	6	4	0	0	0	5	13	17	-	0	1.04	-	-
MORETON MORRELL	9	9	85	6.2	1.3	3.7	-	14.3	10	-6.3	1	-	-	105	195	14	13	22	19	4	4	0	0	0	4	14	16	-	0	1.08	-	-
RUGBY	9	9	116	5.7	0.6	3.1	-0.8	13.5	10	-6.3	1	4.0	6.6	111	196	12	13	22	19	7	5	0	0	0	-	18	17	18	0	-	-	-
SHIPSTON-ON-STOUR	9	9	111	6.5	1.6	4.1	0.0	14.5	10	-5.4	20	6.1	-	114	184	11	7	23	19	6	4	0	0	0	7	13	17	-	2	1.17	71	-
STRATFORD-UPON-AVON	9	9	49	7.0	1.4	4.2	+0.2	14.9	10	-7.1	1	6.1	-	93	176	16	13	22	19	1	2	0	0	0	5	13	18	-	0	-	-	-
WELLESBOURNE	9	9	47	6.4	1.5	3.9	-	14.5	10	-7.2	1	5.0	6.9	98	188	14	13	20	19	-	3	-	-	-	-	13	14	15	-	1.19	-	-
NORTHAMPTONSHIRE																																
BUGBROOKE MILLS	9	9	76	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MOULTON PARK	9	9	122	-	-	-	-	-	-	-	-	-	-	121	-	11	12	20	20	3	3	0	1	0	-	-	-	-	0	1.41	-	S
RAUNDS	9	9	59	6.2	1.1	3.7	-0.1	13.9	10	-8.5	1	4.8	8.2	116	227	13	7	23	20	5	1	0	0	0	6	13	15	-	2	1.20	88	S
HEREFORD & WORCESTER																																
ASTWOOD BANK	9	9	139	5.7	1.1	3.4	-	14.0	10	-5.2	19	-	-	124	-	15	7,27	21	18	8	6	0	0	0	9	14	14	-	0	-	-	-
HEREFORD	9	9	51	-	-	-	-	-	-	-	-	-	-	119	192	13	12	23	19	4	2	0	0	0	-	-	-	-	0	1.15	-	-
LYONSHALL	9	9	155	6.1	1.0	3.5	-0.6	13.0	10	-8.0	1	-	-	182	219	31	12	22	21	-	-	-	-	-	-	15	22	-	-	-	-	-
MALVERN	9	9	62	6.7	-	-	-	14.3	10	-	-	5.4	8.3	154	230	17	13	23	20	6	5	0	0	0	4	-	19	-	0	1.03	64	S
PERSHORE																																
COLLEGE OF HORT.	9	9	40	6.8	1.8	4.2	-	14.8	10	-4.9	1,20	-	-	113	199	14	23	22	19	4	4	0	0	0	4	13	15	-	3	0.98	-	-
PRESTON WYNNE	9	9	84	6.7	1.0	3.9	-	14.1	10	-5.5	1	-	-	116	187	15	13	23	20	1	3	0	0	0	8	14	19	-	0	0.96	-	S
GLOUCESTERSHIRE																																
CHELTENHAM	9	9	65	8.0	2.5	5.3	+0.6	15.1	10	-5.1	31	-	9.0	-	-	-	-	-	-	4	4	0	0	0	-	15	-	-	0	1.10	76	-
INNSWORTH	21	9	21	6.9	3.1	5.0	-	15.4	10	-5.0	5	-	-	106	-	13	12	22	20	6	4	0	1	0	3	11	12	11	0	1.00	-	-
OXFORDSHIRE																																
BENSON	21	9	67	6.6	2.2	4.4	-	14.1	11	-6.2	1,19	-	-	102	-	13	10	21	19	6	4	1	2	0	5	13	14	-	0	1.05	-	-
BRIZE NORTON	21	9	81	6.5	1.9	4.2	-	14.6	10	-6.2	1	-	-	114	-	16	12	23	18	6	3	0	2	1	4	14	15	15	0	1.13	-	-
LETCOMBE REGIS	9	9	107	7.1	0.8	3.9	-	13.7	11	-6.2	1	5.8	-	129	185	12	7	22	21	6	4	1	0	1	5	15	17	-	0	-	-	-
OXFORD	9	9	63	(7.1)	2.2	(4.7)	(+0.1)	14.4	10	-7.1	1	5.2	7.7	109	183	15	10	21	19	4	4	0	0	0	6	12	17	-	0	1.11	65	-
SHIRBURN(MODEL FARM)	9	9	108	6.7	1.7	4.2	-	14.0	10	-6.6	19	5.9	-	108	-	13	10	23	19	7	4	0	1	0	6	14	15	-	0	-	-	-
WALLINGFORD	9	9	48	7.1	1.9	4.5	-	14.3	11	-7.4	1	5.8	8.4	109	206	12	10	24	19	4	4	0	0	0	-	14	16	-	0	0.99	-	S
BUCKINGHAMSHIRE																																
AYLESBURY	9	9	96	6.5	1.6	4.1	0.0	13.9	10	-6.5	1	-	-	93	158	12	10	19	18	5	4	1	0	1	6	14	16	-	1	0.60	45	S
GRENDON UNDERWOOD	9	9	67	6.7	0.5	3.6	-	14.0	10	-11.1	1	5.5	8.1	99	177	13	10	21	19	5	3	0	0	0	-	14	19	-	0	1.07	-	-
MEDMENHAM	9	9	30	7.4	1.1	4.3	-	14.0	10	-9.2	1	-	-	135	205	28	10	23	19	-	-	-	-	-	-	17	(18)	-	-	-	-	-

TABLE 3 SUMMARY OF DAILY OBSERVATIONS

DISTRICT REGION/COUNTY AND PLACE	TERMINAL HOUR (GMT) OF OBSERVATION MAX. MIN.	HEIGHT OF STATION ABOVE MSL (METRES)	AIR TEMPERATURE IN DEGREES C: MEANS OF MAX. (A)	MEANS OF MIN. (B)	DAILY MEAN (MEAN OF A+B)	DIFFERENCE FROM 1941-70 AVERAGE	HIGHEST MAXIMUM	HIGHEST MAXIMUM DATE	LOWEST MINIMUM	LOWEST MINIMUM DATE	MEAN EARTH TEMPERATURE: 30 CM DEGREES C	MEAN EARTH TEMPERATURE: 100 CM DEGREES C	RAINFALL (TERMINAL H 09 GMT): TOTAL FALL (MM)	RAINFALL: PERCENTAGE OF 1941-70 AVERAGE	MOST IN A DAY: AMOUNT (MM)	MOST IN A DAY: DATE	WEATHER (NUMBER OF DAYS): PRECIPITATION 0.2 MM OR MORE	PRECIPITATION 1.0 MM OR MORE	SNOW OR SLEET	SNOW LYING AT 9H	HAIL	ICE PELLETS,ETC.	THUNDER HEARD	FOG AT 9H	AIR FROST	GRASS MIN. BELOW 0 DEG C SCREEN MIN. BELOW 0 DEG C	GALE	BRIGHT SUNSHINE: DAILY MEAN (HOURS)	PERCENTAGE OF 1941-70 AVERAGE	EXPOSURE
5 ENGLAND SE & CENTRAL S.																														
GREATER LONDON																														
BROMLEY	9 9	65	(7.6)	(3.0)	5.3	(+0.6)	14.0	10,11	-5.0	19	-	-	(105)	(175)	19	12	(19)	(18)	-	-	-	-	-	(9)	-	-	-	-	-
GREENWICH	9 9	7	8.0	2.9	5.5	-	14.6	10	-4.5	19	-	-	93	178	16	12	20	17	3	1	0	0	2	2	10	(13)	-	0	0.99	-	-
HAMPSTEAD	9 9	137	(6.8)	(2.1)	(4.5)	(+0.2)	13.1	10	-3.8	23	-	-	(146)	(244)	23	10	(20)	(19)	5	2	0	0	1	-	12	14	-	0	1.15	86	S
HAMPTON	9 9	12	(7.8)	(2.8)	5.3	(+0.4)	15.2	11	-5.2	19	-	-	99	184	20	10	21	16	3	1	0	0	1	4	9	17	-	0	1.32	93	-
HARROW WEALD	9 9	98	(7.5)	1.8	(4.7)	-	14.5	11	-5.0	31	6.8	8.7	(143)	-	25	10	(20)	(19)	-	-	-	-	-	-	10	-	-	-	-	-	-
HEATHROW AIRPORT	21-9	25	7.5	3.1	5.3	+0.5	14.6	11	-4.7	31	-	-	109	202	22	10	22	17	4	1	0	2	0	5	12	16	13	0	1.14	-	-
KENSINGTON PALACE	9 9	25	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
KEW	21-9	5																													
PSYCHROMETER			7.6	2.6	5.1	-	14.5	11	-7.3	1	6.7	9.0	114	219	20	10	21	17	4	2	0	0	1	4	11	17	14	0	1.25	91	-
NORTH WALL SCREEN			7.5	3.5	5.5	+0.2	14.4	11	-5.1	19	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
LONDON																															
WEATHER CENTRE (X)	21-9	77	8.0	4.6	6.3	-	14.3	10,11	-4.4	31	-	-	105	-	16	12	19	17	4	1	1	1	2	1	4	-	-	0	1.18	111	-
ST JAMES PARK	9 9	9	8.2	3.7	5.9	+0.4	14.5	10,11	-4.2	31	-	-	119	228	18	12	20	18	-	1	-	-	-	-	6	12	-	-	-	-	-
SOUTHGATE	9 9	67	7.6	(2.5)	5.1	-	13.9	10	-4.0	31	6.6	-	134	231	21	10	20	16	2	1	0	0	1	3	-	-	-	0	1.02	101	-
WADDON	9 9	59	(8.0)	(2.7)	(5.3)	(+0.4)	14.5	11	-6.0	20	-	-	(126)	(194)	20	12	(19)	(19)	-	-	-	-	-	-	10	-	-	-	-	-	-
WILTSHIRE																															
BOSCOMBE DOWN	21-9	126	6.7	2.4	4.5	0.0	13.4	11	-5.2	19	6.1	8.9	178	238	21	28	23	20	5	4	0	5	1	2	11	16	-	0	1.20	73	-
LACOCK	9 9	49	7.6	1.6	4.6	-	14.4	10	-5.0	5,31	7.4	-	(118)	(168)	16	12	(21)	(20)	4	4	0	0	0	6	12	14	-	0	-	-	-
LARKHILL	9 9	132	7.3	1.7	4.5	+0.3	13.7	11	-6.2	19	-	-	167	213	19	7	23	18	4	4	0	1	0	3	13	16	14	0	-	-	-
LYNEHAM	21-9	145	6.1	2.3	4.2	-0.1	13.5	10	-5.9	31	-	-	115	165	13	10,12	22	21	4	4	1	0	2	4	14	17	13	0	1.15	-	-
PORTON	9 9	111	7.2	1.8	4.5	+0.4	13.4	11	-6.4	19	5.7	-	192	243	27	28	21	18	(5)	4	-	-	-	2	13	17	14	0	1.01	58	-
TROWBRIDGE	9 9	37	7.3	1.8	4.5	-	14.4	10	-4.8	31	5.8	-	123	-	11	12	22	21	6	4	1	0	2	3	12	17	-	1	-	-	-
UPAVON	21-9	179	6.2	2.2	4.2	-	12.8	10,11	-6.0	31	-	-	161	207	17	7	23	21	5	4	0	3	0	3	12	16	12	0	-	-	-
BERKSHIRE																															
EASTHAMPSTEAD	9 9	77	7.1	1.8	4.5	-	13.8	11	-8.9	1	6.4	7.9	150	-	31	10	22	17	5	4	0	0	1	4	13	16	14	0	1.10	-	-
HURLEY	9 9	43	(7.3)	(1.3)	(4.3)	-	14.0	10	-7.5	1	-	-	(133)	(204)	23	10	(23)	(19)	5	2	0	0	0	-	(16)	(18)	-	0	0.84	-	S
LAMBOURN(WARREN FARM)	9 9	192	6.1	1.3	3.7	-	13.2	10	-6.2	31	5.7	-	(124)	-	13	7	(22)	(19)	6	5	0	0	0	-	15	-	-	0	-	-	-
READING	9 9	66	7.3	2.0	4.7	-	14.1	11	-6.3	19	6.2	8.3	134	-	23	10	21	18	5	4	0	0	0	6	13	18	16	0	1.19	-	-
SHINFIELD(N.I.R.D.)	9 9	62	7.3	2.0	4.7	-	14.5	11	-6.6	19	-	-	137	-	24	10	22	19	5	3	0	0	0	6	13	20	-	0	1.07	-	S
SURREY																															
WISLEY	9 9	32	7.7	2.2	4.9	+0.4	14.6	11	-7.4	1	5.8	8.0	124	200	22	10	(21)	(18)	4	2	0	0	1	7	10	15	-	3	1.09	87	-
KENT																															
DOVER R.M.S.	9 9	123	-	2.9	-	-	-	-	-4.6	31	-	-	171	209	22	7	22	20	2	1	0	0	1	2	9	12	-	1	-	-	-
DUNGENESS	9 9	6	8.4	4.4	6.4	-	13.5	11	-2.2	31	-	-	142	212	26	24	22	18	5	1	1	0	2	0	5	-	-	3	-	-	-
EAST MALLING	9 9	52	7.7	2.7	5.2	+0.7	14.5	10	-5.0	1	5.4	7.5	(109)	(168)	14	7	22	19	4	2	0	0	1	4	11	15	14	0	1.02	72	-
EDENBRIDGE	9 9	45	7.7	1.2	4.5	-	14.5	11	-9.0	1	-	-	115	-	13	9	19	18	-	-	-	-	-	-	12	-	-	-	0.85	-	S
ELMSTONE	9 9	5	8.3	2.6	5.5	-	15.6	10	-6.0	19	-	-	93	145	12	16	22	17	3	1	0	0	0	0	10	-	-	0	-	-	-
FAVERSHAM	9 9	48	7.6	2.7	5.1	-	14.8	11	-4.3	19	5.7	7.9	(103)	(158)	11	13	(23)	(21)	4	1	0	0	0	3	11	(14)	-	0	1.07	-	-
FOLKESTONE	9 9	31	7.9	3.4	5.7	-	13.8	11	-5.0	31	-	8.6	(151)	(215)	21	7	(23)	(19)	3	1	0	0	1	0	7	13	-	8	1.25	72	-
GILLINGHAM	9 9	3	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
GOUDHURST	9 9	85	7.1	2.1	4.6	+0.5	12.9	11	-6.6	1	-	-	152	174	18	7	21	20	3	1	0	1	1	3	11	13	-	0	-	-	-
HADLOW COLLEGE	9 9	27	8.0	1.8	4.9	-	15.1	10	-6.5	1	5.7	8.3	99	-	15	7	17	16	4	1	0	0	1	2	12	18	-	0	-	-	-
HERNE BAY	9 9	31	7.8	2.9	5.3	-	15.0	10	-3.5	31	6.5	-	78	-	9	9,12	21	17	2	0	0	0	0	1	9	12	-	0	1.12	75	-
MANSTON	21-9	44	7.4	3.4	5.4	-	14.7	10	-4.4	31	-	-	81	144	12	16	22	16	5	1	0	4	0	1	7	10	10	2	0.97	-	-
MARGATE	9 9	16	8.2	4.1	6.1	+0.4	14.4	10	-3.2	31	6.2	8.5	76	143	10	7	20	16	1	1	0	0	0	1	4	-	-	2	0.72	48	-
ULCOMBE	21-9	47	7.3	2.5	4.9	-	14.7	10	-5.2	20	-	-	120	-	14	7	22	19	3	1	1	2	2	2	12	18	13	0	1.08	-	-
WYE	9 9	56	7.6	(2.4)	5.0	(+0.5)	15.1	11	-5.0	20	6.6	8.3	149	201	17	9	21	19	3	3	1	0	1	2	11	16	-	1	0.87	55	-
HAMPSHIRE																															
ALICE HOLT LODGE	9 9	115	7.0	1.9	4.5	+0.4	13.9	11	-7.0	1	-	-	184	231	29	10	21	18	5	4	0	0	2	7	13	16	-	0	0.85	-	-
EVERTON	9 9	16	8.5	3.8	6.1	-	13.7	11	-4.8	31	-	-	175	213	35	10	20	19	4	1	0	2	3	2	8	12	-	3	0.86	-	-
HAYLING ISLAND	9 9	4	8.4	4.0	6.2	-	12.7	9	-4.0	31	-	-	148	202	17	7	20	17	2	1	0	0	1	2	6	-	-	0	1.44	-	-
LECKFORD	9 9	117	7.1	1.8	4.5	+0.2	13.2	11	-5.6	31	6.1	-	199	243	31	10	23	20	5	2	0	0	0	3	12	-	-	0	1.02	60	-
LONG SUTTON	9 9	145	(7.0)	(2.0)	(4.5)	-	14.0	11	-5.6	31	(5.7)	(8.3)	(206)	(255)	34	10	(23)	(20)	4	4	0	0	2	-	(13)	(15)	(14)	1	0.96	63	-
MARTYR WORTHY	9 9	84	(7.3)	(2.0)	(4.7)	-	13.9	11	-5.2	31	-	-	(209)	(252)	35	10	23	18	5	3	0	0	0	4	(12)	20	-	0	1.01	-	-
SOUTHAMPTON																															
MAYFLOWER PARK	9 9	3	8.6	3.9	6.3	+0.8	13.9	10,11	-4.0	31	7.7	10.9	199	-	32	10	21	20	5	1	1	1	3	3	8	14	9	0	0.97	56	S
WEATHER CENTRE (X)	21-9	19	8.1	4.6	6.3	-	14.1	10	-4.5	31	-	-	195	-	32	10	20	20	5	1	1	3	3	3	7	-	8	0	-	-	-
SOUTHSEA	9 9	2	8.9	4.6	6.7	+0.6	14.0	10	-4.0	31	7.5	9.5	167	226	21	10	21	18	3	1	0	1	1	1	5	11	-	0	1.13	61	-
SPARSHOLT	9 9	113	(7.5)	2.2	(4.9)	-	13.3	10	-4.5	20,31	-	-	(237)	-	37	10	(20)	(19)	4	1	0	0	0	0	12	(14)	-	1	(0.72)	-	S
ISLE OF WIGHT																															
RYDE	9 9	4	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
ST CATHERINES POINT	9 9	16	9.0	(5.0)	(7.0)	(+0.5)	13.6	11	-5.5	31	-	-	(156)	(180)	19	10	20	19	4	1	1	0	1	0	5	-	-	4	-	-	-
SANDOWN	9 9	4	9.2	4.8	7.0	+0.7	14.0	10	-3.6	31	-	-	180	203	22	7	21	19	2	1	0	0	2	1	5	-	-	0	0.99	50	-
SHANKLIN	9 9	55	8.6	4.6	6.6	+0.7	13.7	10	-3.7	31	-	-	184	177	21	7	20	19	4	1	1	0	1	2	5	-	-	0	0.90	45	-
VENTNOR	9 9	135	8.5	2.8	5.7	-0.6	12.7	10	-6.0	31	7.3	9.7	167	176	23	8	20	19	0	0	0	0	0	0	7	-	-	0	1.20	62	-
WEST SUSSEX																															
BOGNOR REGIS	9 9	7	8.4	4.3	6.3	+0.6	12.9	11	-4.2	31	-	9.4	150	192	20	7	21	18	3	1	2	0	1	1	6	11	-	2	1.42	71	-
FERNHURST	9 9	57	7.9	2.1	5.0	+0.5	14.8	11	-7.5	1	5.9	-	184	194	25	23	22	19	-	3	-	-	-	-	10	16	-	-	0.73	42	S
GATWICK AIRPORT	21-9	59	7.3	2.2	4.7	-	13.9	10	-8.7	1	-	-	146	187	16	8	20	18	5	1	0	2	2	3	10	16	14	0	1.09	-	-
HURSTPIERPOINT	9 9	29	8.2	2.2	5.2	-	14.7	12	-6.8	19,20	-	-	158	-	25	7	19	19	-	3	-	-	-	-	11	-	-	-	-	-	S
LITTLEHAMPTON	9 9	5	8.4	4.0	6.2	+0.7	12.9	11	-4.1	31	-	8.9	150	200	24	7	22	18	3	1	2	0	1	2	7	10	-	2	1.29	69	-
ROGATE	9 9	64	7.7	2.2	4.9	-	14.2	11	-6.8	2	6.0	-	197	-	28	10	19	17	1	-	0	0	0	5	11	15	-	0	-	-	S
WORTHING	9 9	2	8.7	3.9	6.3	-	13.3	11	-3.8	31	6.9	-	(158)	-	26	7	22	19	3	1	2	2	2	1	7	10	-	0	1.18	-	-
EAST SUSSEX																															
BEXHILL	9 9	4	8.6	4.5	6.5	+1.0	13.5	9,10,11	-3.3	31	6.2	9.4	151	202	21	12	21	19	3	1	0	0	3	0	6	11	-	2	1.18	69	-
BRIGHTON	9 9	10	8.9	4.3	6.6	+0.7	13.7	10	-2.7	20	-	8.8	169	238	25	7	19	18	5	1	1	0	1	0	5	9	-	4	1.14	63	-
EASTBOURNE	9 9	7	8.9	4.7	6.8	+0.9	13.9	11	-3.4	31	7.4	9.3	186	224	25	24	21	15	3	1	3	0	2	0	5	8	-	3	1.02	56	-
EAST HOATHLY	9 9	38	8.3	2.7	5.5	-	14.1	10	-6.5	1	-	-	147	184	26	7	20	20	4	1	0	0	2	3	10	13	12	2	1.02	-	-
HASTINGS	9 9	45	8.2	4.0	6.1	+0.6	13.8	10	-4.0	31	6.1	8.5	166	221	21	12	20	19	3	1	0	1	2	1	5	-	-	6	1.25	68	-
HERSTMONCEUX	21-9	18	8.0	3.9	5.9	-	14.4	10	-4.1	20,31	-	-	159	-	23	7	21	20	4	1	0	2	1	0	7	13	11	0	1.02	-	-
PLUMPTON	9 9	76	8.1	3.3	5.7	-	14.0	10	-4.5	19,20	-	-	(205)	(197)	36	7	(21)	(20)	3	2	-	-	-	5	7	11	-	-	(0.72)	-	S

TABLE 3 SUMMARY OF DAILY OBSERVATIONS

DECEMBER 1978

DISTRICT REGION/COUNTY AND PLACE	TERMINAL HEIGHT OF OBSERVATION MAX. MIN.	HEIGHT OF STATION ABOVE MSL (METRES)	AIR TEMPERATURE IN DEGREES C: MEANS OF MAX. (A)	MEANS OF MIN. (B)	DAILY MEAN (MEAN OF A+B)	DIFFERENCE FROM 1941-70 AVERAGE	HIGHEST MAXIMUM MAX.	HIGHEST MAXIMUM DATE	LOWEST MINIMUM MIN.	LOWEST MINIMUM DATE	MEAN EARTH TEMPERATURE 30 CM DEGREES C	MEAN EARTH TEMPERATURE 100 CM DEGREES C	RAINFALL (TERMINAL H 09 GMT) TOTAL FALL (MM)	RAINFALL PERCENTAGE OF 1941-70 AVERAGE	MOST IN A DAY AMOUNT (MM)	MOST IN A DAY DATE	WEATHER (NUMBER OF DAYS) PRECIPITATION 0.2 MM OR MORE	PRECIPITATION 1.0 MM OR MORE	SNOW OR SLEET	SNOW LYING AT 9H	HAIL	ICE PELLETS,ETC.	THUNDER HEARD	FOG AT 9H	AIR FROST	GRASS MIN. BELOW 0 DEG C	CONCRETE MIN. BELOW 0 DEG C	DALE	BRIGHT SUNSHINE DAILY MEAN (HOURS)	BRIGHT SUNSHINE PERCENTAGE OF 1941-70 AVERAGE	BRIGHT SUNSHINE EXPOSURE
7A ENGLAND NW & I.O.M.																																
CUMBRIA																																
CARLISLE	21-9	26	5.4	1.6	3.5	-	13.6	11	-8.0	31	4.7	7.1	79	105	17	27	21	15	8	2	0	0	0	0	12	19	13	0	1.23	-	-
CARTMEL	9 9	35	5.8	0.3	3.1	-	13.4	10	-5.3	19	-	-	133	-	35	27	18	15	1	1	0	0	0	1	14	-	-	0	-	-	-
GRIZEDALE	9 9	91	5.3	0.0	2.7	-	12.3	10	-6.0	20	4.8	-	164	77	27	27	(20)	(17)	6	3	0	0	0	0	16	22	-	1	-	-	-
MOOR HOUSE	9 9	556	1.4	-2.5	-0.5	-	10.2	10	-11.0	20	2.7	-	264	129	24	7	24	22	15	18	0	0	0	14	25	26	-	1	0.48	-	-
NEWTON RIGG	9 9	171	4.9	0.2	2.5	-0.9	12.9	11	-7.0	31	3.2	-	111	105	29	7	(18)	(17)	2	1	0	0	0	1	14	22	-	0	(1.01)	(85)	-
SELLAFIELD	9 9	13	6.9	2.3	4.6	-	13.7	11	-3.5	31	-	-	97	92	17	27	19	16	-	1	-	-	-	1	11	16	-	-	0.65	-	-
LANCASHIRE																																
HAZELRIGG	9 9	95	5.9	1.2	3.5	-	14.1	11	-4.9	31	4.3	-	95	-	21	28	19	16	4	1	0	0	0	0	13	16	18	6	1.54	-	-
HELMSHORE	9 9	260	(4.4)	0.3	(2.3)	-	12.3	10,11	-6.3	31	4.5	-	173	108	25	27	(20)	(18)	4	3	0	0	0	3	16	23	-	0	1.14	-	-
KIRKHAM	9 9	24	5.6	0.7	3.1	-	13.6	10,11	-7.0	20	-	-	121	133	31	27	17	16	4	1	0	0	0	2	12	19	-	0	1.12	-	S
MORECAMBE	9 9	7	6.3	1.7	4.0	-0.7	14.6	11	-4.5	31	-	-	108	110	29	27	22	16	2	0	0	0	0	0	10	-	-	0	1.35	109	-
PRESTON	9 9	33	6.0	1.0	3.5	-	14.1	10,11	-5.7	20	-	-	108	112	27	27	19	16	5	1	0	0	0	0	13	16	-	0	-	-	-
SLAIDBURN	9 9	192	4.6	-0.2	2.2	-	12.7	10	-10.0	31	-	-	150	88	35	27	21	17	8	0	0	0	0	-	19	21	-	0	1.00	-	-
SQUIRES GATE AIRPORT	21-9	10	5.7	1.4	3.5	-1.3	13.9	10	-8.6	20	-	-	118	143	25	27	17	16	8	1	0	0	0	3	12	18	18	0	1.32	95	-
STAINTHURST	9 9	115	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MERSEYSIDE																																
AIGBURTH	9 9	12	6.0	1.5	3.7	-	13.8	10	-6.3	20	-	-	118	-	30	27	21	17	6	1	0	0	0	6	10	18	17	0	0.89	-	-
BIDSTON	9 9	60	5.7	1.7	3.7	-	13.9	10	-6.6	20	-	-	112	-	27	27	18	17	5	1	0	0	0	3	12	15	-	0	1.24	-	-
ST HELENS	9 9	76	5.5	0.8	3.1	-	13.5	10	-7.6	20	3.8	-	136	-	33	27	21	17	4	2	0	0	0	-	14	-	-	0	0.69	-	S
SOUTHPORT	9 9	5	5.8	0.9	3.3	-1.3	14.0	10	-8.3	20	4.1	9.1	117	150	27	27	21	16	-	-	-	-	-	-	12	16	-	-	1.19	88	-
WEST KIRBY PARK	9 9	7	-	-	-	-	-	-	-	-	-	-	97	141	20	27	18	18	-	0	-	-	-	-	-	-	-	-	-	-	-
GREATER MANCHESTER																																
BOLTON	9 9	107	5.4	0.6	3.0	-	13.4	10	-5.2	19	5.0	6.9	160	-	34	28	20	16	3	3	0	0	0	2	14	19	-	0	0.96	110	-
MANCHESTER																																
RINGWAY AIRPORT	21-9	75	6.0	2.0	4.0	-0.3	14.5	10	-8.0	20	-	-	118	154	27	28	20	14	6	2	0	1	0	4	10	16	15	0	1.26	104	-
WEATHER CENTRE (X)	21-9	69	6.5	2.8	4.7	-	14.6	10	-5.6	31	-	-	143	-	40	28	18	12	7	-	0	0	0	3	8	-	-	0	1.02	-	-
CHESHIRE																																
KNUTSFORD	9 9	65	6.0	0.6	3.3	-	14.0	10	-7.0	20	4.5	6.4	118	149	26	27	19	17	5	2	0	0	0	-	14	19	-	0	-	-	-
MACCLESFIELD	9 9	152	5.5	0.9	3.2	-0.6	13.4	10	-6.3	20	-	-	104	116	20	27	20	17	6	3	0	0	0	1	15	-	-	0	-	-	-
NESS GARDENS	9 9	30	6.1	0.6	3.3	-	14.1	10	-8.3	20	4.6	-	116	174	26	27	(22)	(20)	5	4	0	0	0	1	16	22	-	0	1.06	-	S
ISLE OF MAN																																
DOUGLAS	9 9	85	6.9	3.5	5.2	-0.7	11.9	10	-3.0	31	-	-	250	200	84	28	18	17	3	0	0	0	0	0	2	10	-	2	1.32	86	-
POINT OF AYRE	21-9	9	7.0	3.7	5.3	-1.2	12.6	10	-2.7	31	-	-	164	193	34	27	18	15	3	0	0	0	0	0	3	-	-	7	1.18	81	-
RONALDSWAY AIRPORT	21-9	16	7.2	4.0	5.6	-0.9	12.6	10	-3.2	31	-	-	213	225	52	28	22	19	8	0	0	2	1	0	5	8	6	3	1.44	97	-
7B WALES N																																
GWYNEDD																																
BALA	9 9	163	5.9	0.1	3.0	-	14.9	10	-9.0	20	4.7	7.1	183	123	24	12	22	20	5	6	0	0	1	3	16	18	18	2	0.73	-	-
BARDSEY ISLAND	21-9	15	8.4	5.3	6.9	-	12.6	10	-2.4	31	-	-	165	169	21	2	20	18	0	0	0	2	2	0	1	3	4	7	-	-	-
BETWS-Y-COED	9 9	20	-	0.9	-	-	-	-	-7.9	20	4.5	-	195	-	24	28	23	22	1	2	0	0	0	0	14	19	-	0	-	-	-
BOTWNNOG	9 9	34	8.1	3.7	5.9	-	13.0	11	-2.8	31	5.8	9.1	147	121	17	13	19	17	0	0	1	0	2	0	7	10	-	2	1.56	-	-
CWMYSTRADLLYN	9 9	204	7.0	2.6	4.8	-	14.0	10	-2.5	19	-	-	221	-	37	27	21	18	-	-	-	-	-	-	8	-	-	-	1.25	-	-
LLYN ALAW	9 9	44	7.8	2.9	5.3	-	15.0	11	-4.0	31	-	-	151	-	19	27	19	18	-	-	-	-	-	-	8	-	-	-	1.46	-	-
PEN-Y-FFRIDD	9 9	84	7.9	2.8	5.3	-	16.1	11	-3.0	31	-	-	112	95	11	28	20	20	1	0	0	0	1	0	9	17	-	1	1.16	-	S
TRAWSFYNYDD	9 9	193	(6.5)	(1.4)	(3.9)	-	14.0	10	-4.5	31	-	-	-	-	-	-	-	-	-	-	-	-	-	-	11	-	-	-	-	-	-
VALLEY	21-9	10	8.2	4.0	6.1	-0.4	15.3	11	-4.4	20	-	-	131	140	21	27	19	18	4	0	0	2	1	0	8	11	10	5	1.76	110	-
CLWYD																																
ALWEN	9 9	335	4.4	-1.2	1.6	-	10.6	11	-10.0	20	-	-	172	121	22	27	22	21	4	10	0	0	0	4	18	23	-	0	-	-	-
BWLCHGWYN	9 9	386	3.8	-0.8	1.5	-	11.5	10	-6.5	10,20,31	4.2	-	220	200	24	23	23	20	10	13	0	0	0	11	18	23	-	0	-	-	-
COLWYN BAY	9 9	18	6.8	2.4	4.6	-	14.7	10	-3.6	20	5.9	-	113	133	16	27	24	17	1	0	0	0	0	1	9	-	-	0	1.67	127	-
CORWEN	9 9	144	6.0	-0.7	2.7	-	14.5	10	-10.1	21	5.1	-	200	169	22	12	23	22	8	8	2	0	1	4	16	21	-	0	-	-	-
HAWARDEN BRIDGE	9 9	5	6.2	0.8	3.5	-1.4	13.9	10	-6.2	20	-	-	122	105	25	27	22	18	6	6	0	0	0	1	12	-	-	0	-	-	-
LOGGERHEADS	9 9	210	5.2	-0.6	2.3	-	14.1	10	-9.5	23	4.8	6.5	149	173	19	27	20	19	8	12	0	0	0	5	20	24	-	0	0.82	-	S
PRESTATYN	9 9	4	7.1	2.1	4.6	-1.3	15.6	10	-5.7	20	-	-	98	151	16	27	20	17	3	0	0	0	0	0	11	-	-	0	1.56	120	-
RUTHIN	9 9	76	6.6	0.6	3.6	-	15.4	10	-7.6	20	-	-	99	131	13	28	21	20	6	7	0	0	0	0	15	-	-	0	1.37	-	-
POWYS(NORTH)																																
HOPE	9 9	91	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
LAKE VYRNWY	9 9	303	4.4	0.1	2.3	-1.2	12.8	10	-7.8	20	3.6	-	254	133	29	27	24	20	10	10	4	0	0	10	16	22	-	6	-	-	-
LLANFAIR CAEREINION	9 9	236	5.3	0.8	3.1	-	14.0	10	-6.0	31	5.4	-	177	-	19	13.26	24	21	6	8	0	0	0	1	15	19	-	2	-	-	-
MOEL CYNNEDD	9 9	358	4.7	-0.5	2.1	-	12.6	10	-10.3	20	4.6	-	281	-	49	13	24	23	8	8	1	0	0	-	17	19	-	2	-	-	-
8A WALES S																																
DYFED																																
ABERPORTH	21-9	134	7.4	3.8	5.6	-0.3	14.0	10	-3.5	31	-	-	140	137	16	12	20	20	6	0	1	0	1	0	6	12	10	7	1.76	107	-
ABERYSTWYTH	9 9	4	-	-	-	-	-	-	-	-	-	-	93	90	19	13	16	15	0	0	0	0	0	0	-	-	-	0	-	-	-
BRAWDY	21-9	111	7.6	4.1	5.9	-	13.0	9,10	-5.0	31	-	-	192	-	32	1	22	19	5	1	2	0	4	0	8	10	10	2	1.98	-	-
BRYNAMMAN	21-9	183	7.2	2.9	5.1	-	13.8	10	-6.4	31	-	-	213	-	25	12	20	19	7	-	2	0	2	0	9	10	-	0	-	-	-
CARMARTHEN	9 9	15	8.9	2.0	5.5	-	14.8	10	-6.5	18,20	6.6	9.0	189	139	21	13	22	20	4	0	1	2	0	1	11	-	-	5	1.25	-	-
CWMYSTWYTH	9 9	301	5.9	0.9	3.4	-	13.2	10	-6.0	31	-	-	200	98	34	13	23	21	4	8	0	0	0	-	14	18	-	0	1.08	-	-
DALE FORT	9 9	33	9.1	5.2	7.1	-0.2	13.1	10	-3.2	31	7.2	-	169	-	25	1	23	19	2	0	0	2	1	0	3	8	-	2	2.15	-	-
DOGERDDAN	9 9	31	8.2	2.7	5.5	-	15.1	10	-6.6	20	-	-	126	113	19	28	21	18	3	1	1	0	1	0	7	18	-	0	1.47	-	S
MILFORD HAVEN (CONSERVANCY BOARD)	21-9	37	8.6	5.4	7.0	-	13.2	9,10	-4.2	31	-	-	205	180	31	1	23	22	2	1	0	1	1	0	6	7	6	1	-	-	-
ORIELTON	9 9	61	8.9	4.4	6.7	-	13.3	10	-3.7	31	7.4	-	201	160	33	26	24	22	3	1	0	0	0	0	6	11	-	1	-	-	-
SKOKHOLM ISLAND	9 9	34	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
TENBY	9 9	5	8.9	4.2	6.5	-	13.8	9	-4.0	31	-	-	188	-	25	1	20	20	2	1	0	0	0	0	5	-	-	1	1.84	-	-
TRAWSCOED	9 9	61	7.7	2.1	4.9	-	14.7	10	-5.5	20	6.7	-	164	121	30	2	21	20	1	0	0	0	1	0	9	19	-	0	1.16	90	-
TREGARON	9 9	178	7.2	1.5	4.3	-	14.0	9,10,11	-5.7	18	-	-	183	-	31	12	21	20	4	4	0	0	0	0	11	19	-	0	1.42	-	S
WHITECMURCH	9 9	130	7.4	2.7	5.1	-	13.6	9,10	-6.4	20	-	-	262	-	33	11	23	21	8	2	0	0	2	0	9	16	-	4	-	-	-
POWYS(SOUTH)																																
CENARTH	21-9	308	4.8	1.3	3.1	-	13.5	10	-7.4	31	-	-	201	-	32	12	25	23	7	8	0	0	0	4	17	16	-	0	-	-	-
LLANGENNY	9 9	122	7.1	1.8	4.3	-	14.5	10	-5.5	20,21	-	-	225	-	35	23	23	22	2	5	0	1	0	0	12	-	-	0	-	-	-

TABLE 3 SUMMARY OF DAILY OBSERVATIONS

DECEMBER 1978

DISTRICT REGION/COUNTY AND PLACE	MAX. TERMINAL HIGHT) MIN. OF OBSERVATION	HEIGHT OF STATION ABOVE MSL (METRES)	AIR TEMPERATURE IN DEGREES C: MEANS OF MAX. (A)	MEANS OF MIN. (B)	DAILY MEAN (MEAN OF A+B)	DIFFERENCE FROM 1941-70 AVERAGE	HIGHEST MAXIMUM		LOWEST MINIMUM		MEAN EARTH TEMPERATURE: 30 CM DEGREES C	100 CM DEGREES C	RAINFALL (TERMINAL H 09 GMT): TOTAL FALL (MM)	PERCENTAGE OF 1941-70 AVERAGE	MOST IN A DAY: AMOUNT (MM)	DATE	WEATHER (NUMBER OF DAYS): PRECIPITATION 0.2 MM OR MORE	PRECIPITATION 1.0 MM OR MORE	SNOW OR SLEET	SNOW LYING AT 9H	HAIL	ICE PELLETS,ETC.	THUNDER HEARD	FOG AT 9H	AIR FROST	GRASS MIN. BELOW 0 DEG C	CONCRETE MIN. BELOW 0 DEG C	GALE	BRIGHT SUNSHINE: DAILY MEAN (HOURS)	PERCENTAGE OF 1941-70 AVERAGE	EXPOSURE
								DATE		DATE																				
8A WALES S CONTINUED																														
WEST GLAMORGAN																														
MUMBLES HEAD	21-9	36	8.2	4.8	6.5	-	13.2	11	-3.9	31	-	-	-	-	-	-	19	18	5	1	0	0	2	0	2	5	5	11	-	-	-
NEATH	9 9	62	8.1	3.8	5.9	-	14.0	9.10	-3.5	31	-	-	194	136	35	12	19	18	3	1	2	1	1	0	8	10	-	0	-	-	-
PENMAEN	9 9	87	8.1	3.7	5.9	-	13.2	11	-3.8	31	6.7	8.3	203	155	25	13	21	19	5	2	1	2	2	0	7	10	10	9	1.52	-	-
PORT TALBOT	9 9	5	8.8	3.9	6.3	-	14.5	9	-5.2	18	-	-	159	128	20	13	21	18	4	1	0	0	1	0	7	10	-	2	1.60	-	-
SWANSEA	9 9	10	8.4	3.9	6.1	-0.2	13.0	9.11	-2.2	31	6.1	8.7	189	147	34	12	20	18	1	0	0	0	0	0	5	9	-	1	-	-	S
WHITEFORD BURROWS	9 9	5	9.0	4.0	6.5	-	14.5	9.10	-5.8	20	-	-	239	-	37	1	23	20	3	1	0	1	1	0	8	(10)	-	1	-	-	-
MID GLAMORGAN																														
ABERDARE FILTER STATION	9 9	174	7.0	2.0	4.5	-	14.1	9.10	-4.9	20	-	-	324	-	49	12	22	19	5	0	0	0	0	-	11	19	-	0	0.45	-	-
CILFYNYDD	21-9	194	(6.3)	-	-	-	13.4	10	-	-	-	-	295	-	36	12	23	21	5	5	0	0	0	0	-	-	-	0	-	-	-
LLWYNON	9 9	241	6.3	1.4	3.9	-	13.2	9	-5.1	31	-	-	299	147	43	12	24	22	4	4	0	0	0	4	13	-	-	0	1.23	-	S
PORTHCAWL	9 9	6	8.7	3.8	6.3	-	13.6	10	-4.0	31	-	-	153	138	20	12	19	17	2	2	0	0	0	0	7	-	-	2	1.70	-	-
SOUTH GLAMORGAN																														
BRIDGEND	9 9	40	8.2	2.9	5.5	-	14.5	10	-4.8	18	6.8	9.5	184	-	32	13	24	19	5	2	0	2	1	5	9	17	-	0	-	-	-
CARDIFF (BUTE PARK)	9 9	9	8.2	3.4	5.8	-	13.9	11	-3.2	18	6.1	8.4	221	-	27	12	27	22	4	3	0	0	0	0	6	16	-	0	1.17	-	S
RHOOSE AIRPORT	21-9	67	7.4	3.7	5.5	-	14.2	10	-4.9	31	-	-	159	-	21	14	22	19	5	2	3	2	0	1	8	11	9	1	1.55	-	-
GWENT																														
CRUMBLAND	9 9	245	5.8	1.4	3.6	-	12.8	10	-6.0	31	5.3	6.8	205	192	33	12	24	23	5	7	0	0	0	16	14	17	-	3	1.05	-	-
USK	9 9	21	7.7	-	-	-	14.3	10	-	-	6.4	-	211	192	33	12	20	18	2	0	0	0	0	-	-	18	-	0	0.67	47	-
8B ENGLAND SW																														
AVON																														
BATH	9 9	118	(7.3)	(2.4)	(4.9)	-	14.1	9	-5.6	31	(6.5)	-	(121)	(156)	14	12	(20)	(18)	5)	4	-	-	-	-	(12)	-	-	-	-	-	-
FILTON	21-9	59	6.8	3.0	4.9	-0.2	14.6	10	-5.1	5	-	-	125	159	18	12	23	20	5	4	2	1	0	2	11	15	11	0	1.21	84	-
LONG ASHTON	9 9	51	7.8	2.5	5.1	-0.1	14.8	10	-4.8	31	5.9	-	(122)	(143)	17	12	22	(21)	5	3	0	2	1	3	12	15	-	2	1.04	66	-
SOMERSET																														
CANNINGTON	9 9	28	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
CREWKERNE	9 9	101	7.9	2.9	5.4	-	14.3	10	-5.5	31	5.7	-	189	-	27	23	21	20	3	5	0	0	0	-	9	-	-	0	-	-	-
DOWNSIDE ABBEY	9 9	183	6.9	1.8	4.3	-	13.4	10	-6.2	31	-	-	187	166	21	13	24	20	5	-	0	0	0	4	10	-	-	0	-	-	-
EXTON	21-9	329	5.9	2.2	4.1	-	12.7	10	-7.1	31	-	-	273	-	41	30	25	21	9	5	4	0	0	5	10	15	15	0	-	-	-
HAWKRIDGE	9 9	314	-	2.2	-	-	-	-	-6.5	31	-	-	216	117	32	12	24	21	3	3	0	1	0	-	11	14	-	1	1.20	-	-
NETTLECOMBE	9 9	96	8.2	(2.5)	(5.3)	-	15.1	9.10	-5.6	31	7.0	-	205	-	30	12	24	20	3	2	0	0	0	3	10	12	-	0	-	-	-
NETTLECOMBE(BIRDS HILL)	9 9	280	(6.7)	(2.2)	(4.5)	-	14.1	10	-6.6	31	-	-	210	-	27	12	23	20	4	3	0	0	0	3	10	12	-	0	-	-	-
RODNEY STOKE	9 9	40	8.1	(2.5)	(5.3)	-	14.2	10	-7.6	19	7.0	8.8	(92)	(101)	12	13	22	20	3	2	0	0	0	3	(9)	16	-	2	-	-	-
WINCANTON	9 9	113	7.8	1.9	4.9	-	13.9	9	-6.2	19	-	-	156	161	18	23	23	22	6	4	0	0	0	5	11	11	-	5	1.36	-	-
YEOVILTON	21-9	18	8.0	2.9	5.5	-	16.0	10	-6.7	19	-	-	129	167	17	23	21	18	5	2	1	2	2	2	12	12	11	1	-	-	-
DORSET																														
BOURNEMOUTH																														
HURN AIRPORT	21-9	10	8.1	3.7	5.9	-	13.6	9.10	-5.6	19	-	-	(208)	(245)	25	10	(22)	(19)	4	1	1	0	1	1	12	11	11	0	0.91	-	-
MEYRICK PARK	9 9	40	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
CHRISTCHURCH	9 9	3	8.8	3.9	6.3	-	13.5	11	-4.1	19	-	-	197	238	27	10	21	20	4	1	2	0	1	2	10	11	-	0	-	-	-
POOLE	9 9	5	8.8	3.5	6.1	+0.8	14.0	10	-4.9	31	7.3	9.6	185	226	21	23	22	22	3	1	0	6	0	4	8	14	-	0	1.00	54	-
PORTLAND BILL (COASTGUARD)	21-9	53	8.8	5.4	7.1	-0.4	14.0	10.11	-4.4	31	-	-	137	-	18	23	24	20	3	1	1	3	2	2	4	7	6	10	1.20	-	-
SWANAGE	9 9	11	9.3	4.8	7.1	+0.8	13.6	11	-2.7	31	-	10.3	(176)	(198)	25	10	22	(21)	4	1	1	0	2	1	5	8	-	4	0.93	52	-
WEYMOUTH	9 9	23	-	-	-	-	-	-	-	-	-	-	137	-	20	23	22	16	2	-	0	0	0	-	-	-	-	0	-	-	-
WINFRITH	9 9	26	(9.0)	3.6	(6.3)	-	14.7	11	-5.4	19	-	-	225	232	34	23	22	20	4	1	0	0	2	1	10	(13)	-	2	-	-	-
DEVON																														
CHAWLEIGH	9 9	168	7.8	2.7	5.3	-	14.2	10	-5.8	31	6.7	-	163	-	19	30	25	23	4	2	1	0	1	-	9	13	-	2	1.50	-	-
EXETER AIRPORT	21-9	32	8.6	4.2	6.4	+0.5	15.2	9	-4.6	31	-	-	175	216	38	23	23	20	4	3	1	2	3	0	10	-	-	0	1.34	75	-
EXMOUTH	9 9	59	9.2	4.4	6.8	+0.8	14.2	9.10	-4.5	31	-	-	153	186	26	23	23	21	4	1	0	0	2	1	7	-	-	1	1.72	84	-
HARTLAND POINT	21-9	93	8.4	-	-	-	14.6	10	-	-	-	-	81	86	9	12	20	17	5	1	0	0	3	0	-	8	7	7	1.86	119	-
ILFRACOMBE	9 9	8	9.3	4.9	7.1	-	15.4	10	-3.6	31	8.0	10.0	168	-	31	12	23	21	4	0	0	0	0	0	4	-	-	1	1.67	-	S
OKEHAMPTON	9 9	372	6.3	1.9	4.1	-	12.4	9.10	-7.4	31	-	-	296	-	36	30	25	24	4	3	0	3	0	2	10	11	-	11	-	-	-
PLYMOUTH																														
MOUNT BATTEN	21-9	27	9.3	5.6	7.5	+0.4	14.5	9	-4.5	31	-	-	204	186	27	1	24	23	4	2	0	5	3	0	6	10	8	3	1.75	101	S
THE HOE	9 9	36	9.3	5.2	7.3	+0.4	13.5	9.11	-4.5	31	7.5	9.4	178	166	24	1	23	20	3	2	0	1	1	0	5	13	-	-	1.98	109	-
PRAWLE POINT	21-9	59	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	4	0	0	0	0	0	-	-	-	21	1.33	-	-
PRINCETOWN	9 9	414	6.0	1.9	3.9	-	11.9	9	-7.5	31	-	-	361	-	39	28	25	24	6	0	0	2	1	10	9	15	-	8	-	-	-
SIDMOUTH	9 9	10	9.3	4.9	7.1	+0.8	14.5	9	-4.5	31	-	-	134	161	23	23	24	20	-	-	-	-	-	-	1	5	-	-	-	-	-
SLAPTON	9 9	32	9.5	5.3	7.4	-	14.4	9	-3.2	31	-	-	202	170	24	25	23	22	3	0	1	0	1	1	3	12	-	2	-	-	-
STARCROSS	9 9	9	9.2	4.0	6.6	+0.5	15.5	9	-5.0	31	7.0	-	162	190	24	23	22	20	4	2	1	0	1	2	8	11	-	4	1.52	79	-
TEIGNMOUTH	9 9	3	9.7	5.1	7.4	+0.4	15.3	10	-3.0	31	-	-	181	207	27	23	25	22	2	0	0	1	0	0	6	7	-	2	1.50	75	-
TORBAY(TORQUAY)	9 9	8	9.9	5.2	7.5	+0.6	15.2	9	-2.5	31	-	9.3	213	215	30	23	22	20	3	1	2	0	1	0	5	8	-	6	1.84	91	-
CORNWALL																														
BASTREET	9 9	236	7.6	2.4	5.0	-	13.0	9	-7.7	18	-	-	325	169	49	1	25	22	4	3	0	1	1	0	9	10	-	1	1.69	-	-
BUDE	9 9	15	9.6	4.1	6.9	0.0	15.2	9	-6.6	20	6.8	-	135	140	21	12	23	20	3	1	1	0	0	0	7	-	-	3	1.73	99	-
CULDROSE	9 9	81	9.1	5.3	7.2	-	13.7	9	-4.5	31	-	-	246	222	38	1	25	23	4	2	1	0	5	0	7	10	9	3	1.92	-	-
FALMOUTH	9 9	51	-	-	-	-	-	-	-	-	-	-	172	132	35	1	19	18	1	0	1	0	1	-	-	-	-	2	-	-	-
FOWEY	9 9	75	9.3	4.5	6.9	-0.4	14.4	9	-4.8	31	-	-	201	-	22	1	24	23	4	2	0	1	3	1	7	-	-	4	-	-	-
GULVAL	9 9	15	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
GWENNAP HEAD	21-9	66	9.8	6.4	8.1	-	14.4	8	-4.0	31	-	-	138	-	16	30	26	24	3	1	0	2	0	1	3	6	4	14	-	-	-
LIZARD	9 9	73	9.7	6.5	8.1	+0.2	14.9	11	-0.9	20	-	-	175	170	20	2	25	24	2	1	0	0	0	1	-	-	-	19	2.03	109	-
NEWQUAY	9 9	53	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
PENZANCE	9 9	19	10.1	5.1	7.6	-0.4	14.5	10	-3.9	31	-	-	275	212	36	1	27	24	3	2	1	0	3	0	6	-	-	9	2.02	107	-
ROSEMARNE	9 9	76	9.2	4.8	7.0	-	14.1	9	-4.8	31	7.3	9.1	276	228	44	1	25	23	4	2	1	0	4	1	4	10	-	6	1.78	-	S
ST AUSTELL(BETHEL)	9 9	55	9.2	4.8	7.0	-	14.4	9	-5.0	31	-	-	213	-	25	26	24	23	4	2	0	1	3	0	4	9	-	3	2.00	-	-
ST JOHNS	9 9	128	8.8	2.9	5.9	-	13.8	10	-8.3	19	-	-	251	189	39	1	25	24	-	2	-	-	-	-	8	-	-	-	1.70	-	-
ST MAWGAN	21-9	103	9.1	5.0	7.1	-	14.9	9	-4.9	31	-	-	203	171	31	1	24	23	4	1	3	0	5	0	6	-	-	3	2.33	-	-
SCILLY(ST MARYS)	21-9	51	10.4	7.3	8.9	+0.2	13.9	10	-1.2	31	-	-	187	187	26	1	25	23	1	0	0	1	1	0	1	5	3	5	2.17	117	-
CHANNEL ISLANDS																														
ALDERNEY	9 9	88	9.4	5.3	7.3	-	14.3	10	-1.0	20	8.4	-	157	-	18	13	23	20	-	-	-	-	-	-	2	8	-	-	1.30	-	-
GUERNSEY																														
AIRPORT	21-9	104	9.0	6.2	7.6	+0.1	14.1	10	-0.7	20	8.2	10.1	175	158	42	30	21	20	2	0	2	6	2	0	3	5	5	5	1.23	73	-
L'ANCRESSE	9 9	5	10.3	6.3	8.3	-	15.4	10	0.1	22	-	-	157	151	32	30	22	20	2	0	1	0	1	-	0	-	-	0	1.57	-	-
JERSEY																														
AIRPORT	9 9	83	9.0	4.7	6.9	-	14.3	9	-4.0	20	7.6	9.6	193	175	42	30	23	22	3	0	1	3	2	1	5	6	8	1	1.67	-	-
GOREY CASTLE	- -	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1.59	-	-
ST HELIER	9 9	54	9.1	5.3	7.2	-0.3	13.9	9	-3.4	20	-	-	195	175	44	30	22	22	1	0	2	0	1	0	2	9	-	0	1.61	86	-

TABLE 3 SUMMARY OF DAILY OBSERVATIONS

DECEMBER 1978

DISTRICT REGION/COUNTY AND PLACE	TERMINAL HOUR (GMT) OF OBSERVATION MAX.	TERMINAL HOUR (GMT) OF OBSERVATION MIN.	HEIGHT OF STATION ABOVE MSL (METRES)	AIR TEMPERATURE IN DEGREES C: MEANS OF MAX. (A)	MEANS OF MIN. (B)	DAILY MEAN (MEAN OF A+B)	DIFFERENCE FROM 1941-70 AVERAGE	HIGHEST MAXIMUM		LOWEST MINIMUM		MEAN EARTH TEMPERATURE (TERMINAL H 09 GMT): 30 CM DEGREES C	100 CM DEGREES C	RAINFALL (TERMINAL H 09 GMT): TOTAL FALL (MM)	PERCENTAGE OF 1941-70 AVERAGE	MOST IN A DAY: AMOUNT (MM)	MOST IN A DAY: DATE	WEATHER (NUMBER OF DAYS): PRECIPITATION 0.2 MM OR MORE	PRECIPITATION 1.0 MM OR MORE	SNOW OR SLEET	SNOW LYING AT 9H	HAIL	ICE PELLETS,ETC.	THUNDER HEARD	FOG AT 9H	AIR FROST	GRASS MIN. BELOW 0 DEG C	CONCRETE MIN. BELOW 0 DEG C	GALE	BRIGHT SUNSHINE: DAILY MEAN (HOURS)	PERCENTAGE OF 1941-70 AVERAGE	EXPOSURE
								MAX.	DATE	MIN.	DATE																					
NORTHERN IRELAND																																
LONDONDERRY																																
ACHANLOO	9	9	18	7.1	2.4	4.7	-	13.2	11	-3.0	31	-	-	146	-	47	27	19	16	2	0	0	0	0	0	4	13	-	5	-	-	-
BANAGHER(CAUGH HILL)	9	9	216	5.4	0.9	3.1	-	11.8	11	-5.8	31	-	-	277	-	46	27	26	21	5	5	0	0	0	2	10	17	-	6	1.21	-	-
CARNONEY	9	9	73	6.4	2.2	4.3	-	13.0	10	-5.4	31	-	-	98	-	20	27	21	18	0	0	0	0	0	1	3	15	-	0	1.52	-	-
COLERAINE UNIVERSITY	9	9	23	6.6	1.2	3.9	-	13.8	10	-5.1	24	5.5	8.3	120	-	15	1	21	18	6	2	2	0	0	2	9	19	-	0	1.24	111	-
COOLKEERAGH	9	9	3	7.2	2.2	4.7	-	14.0	10	-2.5	28.31	-	-	85	-	10	4	19	16	-	-	-	-	-	-	5	-	-	-	-	-	-
DERRYNOYD FOREST	9	9	88	5.9	0.8	3.3	-	12.2	10	-6.0	31	-	-	230	170	43	1	24	20	2	1	0	0	0	-	12	21	-	1	-	-	-
GARVAGH FOREST	9	9	88	5.7	0.5	3.1	-	11.8	10	-6.0	31	-	-	163	126	31	1	24	18	2	2	0	0	0	1	14	24	-	0	-	-	-
LOUGHERMORE FOREST	9	9	174	5.6	0.7	3.1	-	11.9	10	-5.7	31	-	-	138	108	20	1	26	21	8	3	0	0	0	4	11	18	-	9	-	-	-
MONEYDIG	9	9	34	6.4	1.0	3.7	-0.8	12.5	10	-5.4	23	6.0	-	141	127	24	1	23	18	6	1	0	0	0	1	10	17	14	3	-	-	-
TRAAD POINT	9	9	16	6.5	2.1	4.3	-	11.0	9	-3.8	23	-	-	120	-	22	1.7	25	14	0	-	0	0	0	-	9	-	-	1	-	-	-
ANTRIM																																
ALDERGROVE AIRPORT	21-9		68	6.4	2.4	4.4	-0.2	13.5	10	-4.0	31	5.4	8.7	195	212	29	27	22	19	6	0	0	1	1	0	7	12	11	0	1.75	156	-
ALTNAHINCH	9	9	213	5.3	1.3	3.3	-	12.0	10	-4.5	31	-	-	226	141	47	27	20	19	5	3	0	0	0	0	8	16	-	3	1.22	-	-
BALLYLUMFORD	9	9	24	7.2	3.1	5.1	-	12.2	10	-3.0	31	-	-	245	-	33	27	17	17	0	-	0	0	0	-	5	13	-	0	-	-	-
BALLYPATRICK FOREST	9	9	152	6.1	1.6	3.9	-	12.4	10	-4.2	31	-	-	300	227	56	27	19	19	0	-	0	0	0	0	7	12	-	5	1.24	-	-
CARNLOUGH	9	9	12	7.7	1.6	4.7	-	13.6	10	-3.7	18	-	-	217	-	41	27	19	18	0	-	0	0	0	0	11	-	-	-	-	-	-
DIVIS MOUNTAIN	9	9	363	4.5	-0.2	2.1	-	10.1	9	-5.2	18	-	-	215	173	38	11	19	19	3	-	0	0	0	-	14	-	-	0	-	-	-
GREENMOUNT	9	9	38	6.8	1.8	4.3	-	13.8	10	-5.1	18	5.7	-	199	221	33	27	19	17	2	1	1	0	0	-	10	13	-	-	-	-	-
HYDE PARK (MALLUSK)	9	9	140	6.1	1.5	3.8	-	11.2	10	-5.0	31	-	-	244	-	40	28	24	18	5	0	0	0	0	5	6	18	-	1	-	-	-
KILROOT POWER STATION	9	9	12	7.4	2.8	5.1	-	12.5	10	-3.6	18	-	-	217	-	26	28	20	17	0	0	0	0	1	-	3	13	-	-	1.09	-	-
LISNAFILLAN	9	9	38	6.9	0.5	3.7	-	13.0	10	-5.5	21	-	-	157	150	26	11	22	18	3	2	0	0	0	0	12	21	-	1	1.40	-	-
LOWTOWN	9	9	271	5.1	1.2	3.1	-	11.0	10	-5.5	31	4.8	-	322	225	73	27	21	19	6	3	0	0	0	11	8	23	-	4	0.89	-	-
PARKMORE FOREST	9	9	235	5.3	1.2	3.3	-	11.7	10	-4.3	31	5.2	-	302	176	95	27	21	18	6	3	0	0	0	0	10	19	-	7	-	-	-
WOODBURN NORTH	9	9	217	5.2	1.3	3.3	-	11.0	10	-4.5	31	-	-	256	215	41	27	21	18	2	3	0	0	0	4	9	18	-	0	-	-	-
BELFAST																																
ANDERSONSTOWN	9	9	64	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MALONE	9	9	35	7.0	1.9	4.5	-	12.8	10	-4.2	20	6.5	-	247	-	34	11	18	17	-	-	-	-	-	-	10	22	-	-	1.55	-	-
MILLTOWN	9	9	37	6.9	2.2	4.5	-	12.7	10	-3.4	31	-	-	285	-	43	28	21	18	4	1	1	2	1	0	10	15	-	7	-	-	-
NEWTOWNABBEY	9	9	32	7.0	3.4	5.2	-	12.8	10	-1.9	31	5.9	-	217	205	29	11	20	17	2	0	2	0	1	1	2	12	11	2	1.21	-	S
ROSEBANK	9	9	47	6.9	2.1	4.5	-	12.5	10	-3.5	31	-	-	253	-	33	28	21	19	2	0	0	0	0	-	6	-	-	-	-	-	-
ROSETTA	9	9	24	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
STORMONT CASTLE	9	9	56	6.6	2.2	4.4	-	12.0	10	-4.3	31	5.5	7.8	273	284	45	28	22	19	1	2	0	0	0	0	4	16	-	0	1.37	-	-
DOWN																																
BANGOR SEACOURT	9	9	15	7.3	3.9	5.6	-	12.8	10	-0.9	31	6.2	8.8	231	-	37	1	18	16	3	0	1	1	0	0	1	11	8	3	1.12	-	-
BALLYWALTER PARK	-	-	11	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
BALLYWATTICOCK	9	9	6	7.0	2.4	4.7	-	11.3	10	-4.3	18	5.0	7.4	181	216	22	27	21	18	-	-	-	-	-	-	-	-	-	-	1.20	-	-
DOWNPATRICK	9	9	26	8.1	3.3	5.7	-	12.2	10	-2.6	31	-	-	214	271	31	7	20	17	3	1	0	1	0	0	4	15	13	0	1.42	-	-
HELENS BAY	9	9	43	6.8	3.1	4.9	-	12.4	10	-2.1	31	-	-	269	-	51	27	20	18	-	-	-	-	-	1	5	12	-	-	-	-	-
HILLSBOROUGH	9	9	116	6.3	2.1	4.2	-0.5	12.6	10	-5.0	31	6.1	-	227	264	32	1	20	17	5	0	0	0	0	0	5	15	-	6	1.27	-	-
MAGHERALLY	9	9	97	6.2	0.5	3.3	-	12.2	10	-6.5	18	-	-	268	301	42	27	22	18	5	2	0	0	0	0	7	17	-	4	1.51	124	-
MURLOUGH	9	9	9	7.5	2.1	4.8	-	12.0	9	-4.8	21	5.9	7.4	202	-	33	28	20	18	7	2	-	-	-	-	11	20	-	-	-	-	-
NEWRY	9	9	1	7.5	2.0	4.7	-	13.3	10	-5.3	19	-	-	298	-	59	27	22	18	1	1	0	1	0	0	7	15	-	5	1.21	-	-
SILENT VALLEY	9	9	129	6.8	2.5	4.7	-	11.5	11	-4.1	31	-	-	243	-	65	28	10	10	0	0	0	0	0	0	6	15	-	1	-	-	-
														462	-	118	28	21	19	5	2	0	0	0	3	7	17	-	-	1.19	-	-
ARMAGH																																
ARMAGH	9	9	62	6.3	2.0	4.1	-0.8	13.0	10	-4.9	31	5.5	8.0	166	191	39	1	22	17	5	1	0	0	0	1	9	18	-	6	1.38	117	-
LOUGHGALL	9	9	25	6.9	1.4	4.1	-	13.4	10	-5.6	20	-	-	139	171	27	1	21	15	3	1	0	0	0	2	10	22	-	0	1.56	-	-
LURGAN	9	9	55	7.0	2.0	4.5	-	13.2	10	-4.8	18	5.4	8.1	167	202	28	7	21	17	3	-	0	0	0	-	9	17	-	0	1.47	-	-
TANDRAGEE	9	9	43	7.4	1.4	4.4	-	13.8	10	-6.0	31	-	-	154	-	28	1	19	16	2	-	0	0	0	-	10	-	-	1	-	-	-
TYRONE																																
ALTAVEEDAN	9	9	175	6.0	1.4	3.7	-	12.5	9	-5.5	31	-	-	218	-	39	26	21	20	-	-	-	-	-	-	10	21	-	-	-	-	-
CARRIGANS	21-9		113	6.2	2.4	4.3	-	12.3	10	-6.3	31	-	-	140	115	36	1	25	19	7	2	0	0	0	0	8	14	7	1	1.34	-	-
COOKSTOWN	9	9	77	6.1	1.4	3.7	-	12.5	10	-4.0	31	5.1	-	140	131	28	1	22	19	1	1	0	0	0	0	7	14	-	0	1.16	-	-
LOUGH BRADAN	9	9	169	5.5	-0.8	2.3	-	11.9	10	-8.5	31	-	-	136	90	24	1	22	20	-	0	-	-	-	0	19	23	-	-	1.27	-	S
POMEROY FOREST	9	9	174	5.4	1.3	3.3	-	11.7	10.11	-5.7	31	5.1	-	186	150	41	1	23	19	1	2	0	0	0	5	7	17	-	0	-	-	-
STRABANE CONVENT	9	9	44	-	-	-	-	-	-	-	-	-	-	116	113	31	1	23	18	3	1	0	0	0	-	-	-	-	2	0.98	-	-
TIEVENNY	9	9	41	6.6	1.8	4.2	-	12.0	10	-5.2	31	-	-	151	-	45	1	22	18	-	-	-	-	-	-	7	17	-	-	-	-	-
FERMANAGH																																
CASTLE ARCHDALE FOREST	9	9	66	6.6	1.6	4.1	-0.2	12.5	10	-5.5	31	5.8	7.4	130	102	21	1	21	19	2	0	0	0	0	1	8	19	-	0	1.13	84	-
CORDARY	9	9	156	6.4	2.0	4.2	-	12.4	10	-6.2	31	-	-	127	-	14	27	22	22	6	1	0	0	0	0	3	14	11	4	-	-	-
KNOCKARREVAN	9	9	53	6.9	1.8	4.3	-	13.0	10	-7.0	31	-	-	131	-	18	1	25	20	1	1	0	0	0	0	7	14	10	0	-	-	-
LISNASKEA	9	9	49	7.0	1.6	4.3	-	13.0	10	-5.0	31	-	-	129	122	19	27	20	19	2	-	0	0	0	1	9	17	-	0	-	-	-
LOUGH NAVAR FOREST	9	9	148	5.6	1.3	3.5	-	12.0	10	-6.1	31	-	-	174	105	21	1	25	20	4	1	0	0	0	4	7	18	-	2	-	-	-

TABLE 4 SUMMARY OF OBSERVATIONS AT FIXED HOURS

DECEMBER 1978

DISTRICT, REGION/COUNTY AND PLACE	HEIGHT OF BAROMETER ABOVE MSL (METRES)	HOUR OF OBSERVATION (GMT)	MEAN PRESSURE		MEAN TEMPERATURE AND HUMIDITY				CLOUD AMOUNT								VISIBILITY									WIND SPEED AND DIRECTION								
									OKTAS																	BEAUFORT FORCE								
																										8 OR MORE	6-7	4-5	1-3	CALM				
																										SPEED (KT)								
			AT MSL (MB)	DIFFERENCE FROM 1941-70 AVERAGE	DRY BULB (DEGREES C)	DEPRESSION OF WET BULB (DEGREES C)	VAPOUR PRESSURE (MB)	RELATIVE HUMIDITY (%)	MEAN	0	1 - 2	3 - 5	6 - 7	8	SKY OBSCURED	0 - 39 M	40 - 190 M	200 - 390 M	400 - 990 M	1000 - 1900 M	2000 - 3900 M	4 - 9 KM	10 - 19 KM	20 - 39 KM	40 KM AND OVER	34 OR MORE	22-33	11-21	1-10	0	N	NE	E	SE	S	SW	W	NW
			NUMBER OF OBSERVATIONS																																
0 SCOTLAND N																																			
SHETLAND																																			
FAIR ISLE	61	9	1007.4	-	4.5	0.9	7.3	85	7.2	0	1	0	14	15	1	0	0	1	0	0	1	6	10	6	7	8	12	9	1	1	1	1	13	11	4	0	0	0
		15	1007.2	-	4.5	0.8	7.5	87	7.4	0	0	1	14	14	2	0	1	0	1	0	1	3	11	9	5	7	14	9	1	0	1	1	11	11	6	1	0	0
		21	1007.4	-	4.3	0.7	7.5	89	6.7	0	3	1	12	15	0	0	0	0	1	0	1	5	10	7	7	9	10	11	1	0	1	1	13	10	3	2	0	0
LERWICK	83	3	1008.6	-	3.6	-	6.5	-	6.8	0	1	4	10	16	0	0	0	0	0	0	3	7	8	9	4	0	8	19	4	0	2	5	6	15	2	1	0	0
		9	1008.6	+ 3.3	3.4	-	6.6	-	7.0	0	2	2	11	16	0	0	0	1	0	0	1	4	13	9	3	0	11	13	6	1	1	4	8	12	2	2	0	1
		15	1008.4	-	3.5	-	6.6	-	7.1	0	1	3	9	17	1	0	1	0	0	2	2	5	12	7	2	0	9	15	7	0	2	3	9	10	4	2	1	0
		21	1008.7	-	3.5	-	6.6	-	6.8	0	1	4	11	15	0	0	0	0	0	1	2	2	9	15	2	0	12	14	5	0	2	3	9	13	2	2	0	0
ORKNEY																																			
KIRKWALL	26	3	1006.0	-	4.4	0.9	7.3	85	7.0	0	2	0	13	16	0	0	0	0	0	1	0	7	11	11	1	1	7	20	3	0	2	1	11	9	7	1	0	0
		9	1006.2	+ 0.1	4.2	0.9	7.1	84	6.9	0	1	2	17	11	0	0	0	0	1	0	1	4	16	6	3	1	8	18	3	1	0	1	13	9	5	1	0	1
		15	1005.8	-	4.5	1.1	7.1	82	6.9	0	0	3	16	12	0	0	0	0	0	0	0	5	10	11	5	0	9	18	4	0	1	1	10	10	7	2	0	0
		21	1006.2	-	4.2	1.0	7.1	84	6.9	0	2	2	11	16	0	0	0	0	0	1	0	5	12	11	2	2	8	15	6	0	1	1	10	12	5	2	0	0
WESTERN ISLES																																			
BENBECULA	7	3	1000.1	-	5.0	0.8	7.8	88	5.5	0	6	6	7	12	0	0	0	0	0	0	0	1	3	17	10	0	7	13	10	1	2	4	9	7	6	2	0	0
		9	1000.0	- 6.6	5.3	0.9	7.7	85	6.6	0	3	0	20	8	0	0	0	0	0	0	0	1	4	19	7	0	9	16	6	0	2	1	12	8	8	0	0	0
		15	999.5	-	5.8	1.1	7.8	83	5.8	0	4	5	14	8	0	0	0	0	0	0	0	0	5	16	10	0	9	16	6	0	2	2	10	11	6	0	0	0
		21	1000.1	-	5.2	1.1	7.5	82	5.8	0	5	5	8	13	0	0	0	0	0	0	0	2	4	15	10	0	10	13	6	2	1	2	13	9	4	0	0	0
STORNOWAY	5	3	1001.8	-	5.6	1.1	7.6	82	6.0	0	6	0	18	7	0	0	0	0	0	0	0	0	4	23	4	0	4	15	12	0	0	3	12	6	5	2	1	2
		9	1002.0	- 4.3	5.6	1.2	7.6	81	6.6	0	0	6	14	11	0	0	0	0	0	0	0	0	8	16	7	0	2	19	9	1	0	2	15	6	5	1	0	1
		15	1001.5	-	5.8	1.3	7.6	80	6.5	0	2	4	18	7	0	0	0	0	0	0	0	0	6	19	6	0	2	19	10	0	1	2	11	11	4	0	0	1
		21	1002.0	-	5.6	1.3	7.5	80	6.0	1	4	5	9	12	0	0	0	0	0	0	0	0	3	22	6	0	3	15	12	1	2	1	13	10	2	2	0	0
HIGHLAND																																			
CAPE WRATH	113	3	1002.6	-	4.6	0.2	8.3	96	6.1	0	2	8	7	14	0	0	0	0	0	0	0	0	5	16	10	3	8	7	13	0	2	0	13	6	6	3	0	1
		9	1002.5	-	4.5	0.2	8.3	96	7.0	0	0	6	7	18	0	0	0	0	0	0	0	0	7	19	5	2	11	7	10	1	1	0	14	8	3	3	1	0
		15	1002.2	-	4.5	0.2	8.3	96	7.0	0	1	3	14	13	0	0	0	0	0	0	0	0	4	21	6	5	5	11	10	0	1	0	16	6	4	4	0	0
		21	1002.6	-	4.6	0.3	8.2	95	6.3	0	1	10	6	14	0	0	0	0	0	0	0	0	4	18	9	5	7	10	9	0	1	1	13	6	6	4	0	0
DALCROSS	12	9	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
		15	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WICK	37	3	1004.9	-	4.8	1.2	7.1	80	6.2	0	2	9	8	12	0	0	0	0	0	0	1	4	10	12	4	0	7	20	4	0	1	3	8	13	4	2	0	0
		9	1005.1	- 1.5	4.5	1.1	7.0	81	6.7	0	1	5	12	13	0	0	0	0	0	1	2	8	12	5	3	0	8	19	4	0	0	0	11	11	7	0	2	0
		15	1004.8	-	4.8	1.2	7.1	80	6.8	0	2	2	15	12	0	0	0	0	0	0	1	8	8	8	6	0	7	20	4	0	1	2	9	10	7	1	1	0
		21	1005.0	-	4.7	1.2	7.1	81	6.6	0	2	4	9	16	0	0	0	0	0	0	0	5	10	13	3	0	8	17	6	0	2	1	10	11	5	2	0	0
1 SCOTLAND E																																			
GRAMPIAN																																			
DYCE	59	3	1004.4	-	3.5	0.6	7.2	89	6.3	1	5	2	5	18	0	0	0	0	0	1	6	12	7	5	0	0	0	18	10	3	1	4	9	6	6	0	0	2
		9	1004.5	- 3.8	3.5	0.6	7.1	89	7.0	0	1	3	10	17	0	0	0	0	0	1	1	5	15	7	1	1	0	1	16	11	3	2	3	9	8	2	2	0	3	1
		15	1004.2	-	4.1	0.8	7.3	86	7.0	0	1	2	14	13	1	0	0	0	0	1	0	5	15	6	1	3	0	2	14	14	1	2	1	9	9	5	0	0	3	2
		21	1004.4	-	3.5	0.7	7.1	88	6.7	2	1	3	8	17	0	0	0	0	0	0	1	8	10	9	3	0	0	2	14	12	3	2	1	12	8	3	0	0	2
FRASERBURGH	22	3	1004.8	-	4.8	1.0	7.4	85	6.7	0	3	2	8	18	0	0	0	0	0	0	0	0	0	24	7	0	0	10	13	8	0	2	2	11	9	6	1	0	0
		9	1004.9	- 2.6	4.9	1.1	7.3	82	7.0	0	2	3	5	21	0	0	0	0	0	0	0	0	1	23	7	0	0	2	12	12	5	0	1	0	15	9	4	1	0	1
		15	1004.6	-	5.0	1.0	7.5	84	7.0	0	2	2	9	17	1	0	0	0	0	1	0	0	0	23	7	0	0	9	13	9	0	0	2	13	10	3	1	1	0
		21	1004.8	-	4.8	1.0	7.3	83	6.8	0	3	2	8	17	1	0	0	0	0	1	0	0	0	22	8	0	3	9	11	8	0	2	2	12	11	4	0	0	0
KINLOSS	6	3	1003.9	-	3.4	1.2	6.5	81	5.6	0	9	2	7	13	0	0	0	0	0	0	0	4	14	9	4	0	2	9	18	2	0	2	12	5	7	1	0	2
		9	1004.0	- 3.5	3.3	0.9	6.7	85	6.6	0	3	2	13	12	1	0	0	0	0	0	1	8	8	12	2	1	0	11	15	4	0	2	17	3	2	2	0	1
		15	1003.6	-	4.5	1.3	6.8	79	6.6	0	1	4	19	7	0	0	0	0	0	0	0	10	4	11	6	0	1	11	19	0	0	2	14	7	4	2	2	0
		21	1004.0	-	3.4	1.1	6.6	82	6.2	0	2	9	7	13	0	0	0	0	0	0	0	4	13	12	2	0	0	12	18	1	1	1	16	5	4	2	0	1
LOSSIEMOUTH	6	3	1003.8	-	3.5	1.0	6.7	83	6.0	1	3	4	11	12	0	0	0	0	0	0	0	4	10	15	2	0	5	12	11	3	1	0	13	10	2	1	0	1
		9	1004.0	-	3.9	1.0	6.9	82	6.7	0	4	2	9	16	0	0	0	0	0	0	1	9	10	8	3	0	2	16	13	0	0	2	16	8	2	1	0	1
		15	1003.6	-	4.4	1.2	6.9	81	6.8	0	1	3	17	10	0	0	0	0	0	1	0	7	9	11	3	0	3	15	12	1	0	2	12	8	2	4	1	1
		21	1003.9	-	3.5	1.0	6.6	82	6.3	0	3	6	10	12	0	0	0	0	0	0	0	5	12	12	2	0	4	14	12	1	0	1	17	6	4	1	0	1
TAYSIDE																																			
USAN	35	9	1004.6	-	4.8	0.8	7.7	87	6.6	0	3	3	9	16	0	0	0	0	0	0	2	3	10	11	5	3	8	13	7	0	2	3	10	6	5	3	1	1
		15	1004.2	-	5.0	0.9	7.7	85	6.6	0	2	4	9	16	0	0	0	0	0	0	1	5	9	12	4	1	10	12	8	0	1	4	9	8	3	2	1	3
		21	1004.5	-	4.7	0.7	7.8	88	6.2	2	2	4	8	15	0	0	0	0	1	0	0	2	11	9	8	2	11	10	8	0	2	2	11	4	5	2	4	1
FIFE																																			
LEUCHARS	12	3	1003.1	-	3.6	0.9	6.9	85	6.4	0	4	3	7	17	0	0	0	0	1	0	1	10	13	3	3	0	7	12	9	3	1	1	11	5	6	1	2	1
		9	1003.3	- 5.5	3.6	0.8	7.0	86	6.8	0	2	4	10	15	0	0	0	0	0	1	2	13	11	2	2	0	0	9	6	15	1	1	1	11	8	4	0	3	2
		15	1002.9	-	4.2	0.9	7.2	85	6.7	0	2	4	11	14	0	0	0	0	0	1	2	13	8	5	2	0	0	8	8	13	2	4	2	9	9	0	2	3	0
		21	1003.2	-	3.7	0.8	7.1	86	6.7	1	1	6	5	17	1	0	0	0	0	1	0	15	8	5	2	0	0	10	6	13	2	3	1	10	9	0	2	3	1
LOTHIAN																																			
TURNHOUSE	44	3	1002.0	-	3.5	1.0	6.7	84	6.7	0	2	3	12	14	0	0	0	0	0	1	0	0	5	18	6	1	0	3	13	14	1	1	3	16	2	3	2	3	0
		9	1002.3	- 7.2	3.2	0.9	6.7	85	6.7	0	2	4	12	12	1	0	0	0	0	1	1	0	12	9	6	2	0	1	11	16	3	0	1	17	5	1	2	1	1
		15	1001.8	-	4.5	1.2	6.9	80	6.8	0	2	3	14	11	1	0	0	0	0	2	0	12	12	4	0	0	3	11	16	1	1	3	16	2	1	2	4	1
		21	1002.2	-	3.2	0.8	6.8	85	6.6	1	2	3	10	15	0	0	0	0	0	1	1	9	15	5	0	0	3	11	14	3	2	1	11	4	4	2	4	0
6 SCOTLAND W																																			
STRATHCLYDE																																			
ABBOTSINCH	9	3	1001.3	-	3.2	0.7	6.9	88	6.7	0	3	2	6	17	3	0	0	0	0	1	4	2	10	9	3	2	0	1	13	16	1	2	4	19	2	1	1	1	0
		9	1001.4	- 8.1	3.2	0.7	6.9	88	6.5	0	3	1	17	10	0	0	0	0	0	1	3	1	10	12	4	2	0	3	12	16	1	0	2	15	4	1	2	1	1
		15	1000.9	-	4.3	1.1	7.0	82	6.5	0	2	4	14	11	0	0	0	0	0	1	4	4	15	4	3	2	0	3	12	16	0	2	5	18	3	2	2	1	1
		21	1001.4	-	3.2	0.8	6.9	86	6.1	1	5	1	10	14	0	0	0	0	0	3	2	15	6	3	2	0	2	14	14	1	0	1	22	3	0	2	1	1
GLASGOW	17	3	1001.6	-	-	-	-	-	6.4	1	3	3	9	15	0	0	0	0	0	0	3	8	16	4	0	0	0	2	27	2	1	2	12	12	2	0	1	0	0
WEATHER CENTRE	(X)	9	1001.8	-	3.9	1.0	6.9	83	6.5	0	3	3	13	11	1	0	1	0	0	0	1	0	12	2	1	0	0	0	8	22	1	0	10	13	1	3	5	0	1
		15	1001.3	-	4.9	1.4	6.9	78	6.4	0	2	6	13	10	0	0	0	0	0	1	0	2	9	16	3	0	0	0	5	25	1	2	9	12	2	1	2	0	0
		21	1001.7	-	3.9	1.1	6.8	82	6.3	1	1	7	9	15	0	0	0	0	0	1	0	2	7	16	5	0	0	0	4	26	1	1	8	15	2	1	2	0	1
MACHRIHANISH	14	3	999.1	-	4.7	0.8	7.5	86	5.7	0	6	4	11	10	0	0	0	0	0	0	0	2	14	12	3	4	5	11	11	0	0	0	4	9	14	4	0	0
		9	999.1	-	4.4	1.0	7.2	84	6.4	0	3	5	11	12	0	0	0	0	0	0	0	9	10	8	4	3	9	12	7	0	0	2	13	13	3	1	0	0
		15	998.5	-	5.5	1.1	7.6	83	6.1	0	4	6	10	11	0	0	0	0	0	0	0	10	11	7	3	5	9	9	6	2	2	0	16	6	6	0	0	0
		21	999.3	-	4.4	0.9	7.4	85	5.6	0	6	8	4	13	0	0	0	0	0	0	0	5	12	10	4	4	8	5	12	2	1	1	11	10	6	0	0	0
PRESTWICK	21	3	1000.4	-	3.0	0.6	6.9	89	6.1	1	4	2	12	12	0	0	0	0	0	0	0	9	13	9	0	1	3	13	13	1	0	4	13	9	3	1	0	0
		9	1000.6	- 9.1	2.8	0.6	6.8	89	5.5	0	7	4	13	7	0	0	0	0	0	0	0	12	8	9	2	1	4	10	16	0	0	2	9	13	6	1	0	0
		15	1000.1	-	4.3	1.0	7.2	84	6.8	0	1	4	15	11	0	0	0	0	0	1	0	7	16	7	0	0	0	6	11	13	1	0	4	12	9	3	1	1	0
		21	1000.7	-	2.7	0.6	6.8	89	5.5	1	8	2	6	14	0	0	0	0	0	0	0	9	14	8	0	0	0	5	9	16	1	1	2	12	10	4	1	0	0
RHUVAAL	19	3	999.8	-	5.6	0.9	8.0	86	5.4	0	9	5	3	14	0	0	0	0	0	0	0	0	10	11	10	4	9	15	2	1	1	6	7	10	6	0	1	0
		9	999.6	-	5.7	1.0	7.8	84	6.1	0	3	7	9	12	0	0	0	0	0	0	1	0	10	10	10	5	10	12	3	1	1	4	9	10	5	1	0	0
		15	999.3	-	6.2	1.1	8.0	82	6.4	0	1	8	10	12	0	0	0	0	0	0	0	2	8	10	11	4	7	14	6	0	1	5	8	9	7	1	0	0
		21	999.8	-	5.7	1.2	7.7	82	5.8	0	5	6	8	12	0	0	0	0	0	0	0	1	7	13	10	4	9	11	7	0	1	2	10	11	7	0	0	0

TABLE 4 SUMMARY OF OBSERVATIONS AT FIXED HOURS

DECEMBER 1978

DISTRICT, REGION/COUNTY AND PLACE	HEIGHT OF BAROMETER ABOVE MSL (METRES)	HOUR OF OBSERVATION (GMT)	MEAN PRESSURE		MEAN TEMPERATURE AND HUMIDITY				CLOUD AMOUNT									VISIBILITY								WIND SPEED AND DIRECTION									
									OKTAS																BEAUFORT FORCE									
																									8 OR MORE	6-7	4-5	1-3	CALM					
																									SPEED (KT)									
			AT MSL (MB)	DIFFERENCE FROM 1941-70 AVERAGE	DRY BULB (DEGREES C)	DEPRESSION OF WET BULB (DEGREES C)	VAPOUR PRESSURE (MB)	RELATIVE HUMIDITY (%)	MEAN	0	1 - 2	3 - 5	6 - 7	8	SKY OBSCURED	0 - 39 M	40 - 190 M	200 - 390 M	400 - 990 M	1000 - 1900 M	2000 - 3900 M	4 - 9 KM	10 - 19 KM	20 - 39 KM	40 KM AND OVER	34 OR MORE	22-33	11-21	1-10	0	N	NE	E	SE	S	SW	W	NW
									NUMBER OF OBSERVATIONS																											
6 SCOTLAND W -CONTD.																																		
STRATHCLYDE -CONTD.																																		
SLOY	-	9	-	-	3.6	0.7	7.1	88	6.6	0	1	7	7	16	0	0	0	0	0	1	0	0	3	27	0	0	0	6	22	3	1	2	5	8	4	4	1	3
		15	-	-	4.4	1.0	7.1	84	6.7	0	2	3	9	17	0	0	0	0	0	0	0	0	3	28	0	0	0	6	22	3	1	2	5	7	5	2	4	3
		21	-	-	3.6	0.8	7.0	86	6.2	0	5	3	9	14	0	0	0	0	0	0	0	0	3	28	0	0	0	3	23	5	1	1	4	5	3	1	4	5
TIREE	10	3	999.4	-	5.8	1.1	7.8	83	6.0	0	7	2	9	13	0	0	0	0	0	0	0	0	1	12	16	2	0	1	1	2	4	10	9	5	1	0	0
		9	999.2	- 8.5	5.8	1.1	7.8	82	6.4	0	3	4	11	13	0	0	0	0	0	0	0	0	2	11	16	1	0	1	1	4	9	12	4	0	0	0	0
		15	998.7	-	6.2	1.3	7.9	80	6.3	0	3	4	15	9	0	0	0	0	0	0	0	0	4	7	7	8	5	2	1	1	4	8	12	5	0	0	0	0
		21	999.4	-	5.7	1.3	7.6	80	6.4	1	2	5	6	17	0	0	0	0	0	0	0	0	3	11	7	8	2	11	16	2	0	1	2	9	15	4	0	0	0
DUMFRIES & GALLOWAY																																		
ESKDALEMUIR	237	3	1002.1	-	1.5	0.5	6.4	92	7.1	0	2	1	10	17	1	0	0	0	1	1	3	5	14	4	4	0	2	0	1	7	13	10	4	6	4	6	1	3	0
		9	1002.3	- 8.6	1.4	0.5	6.4	91	6.7	0	4	1	8	17	1	0	0	0	1	1	3	3	13	6	5	2	3	0	0	8	14	9	4	5	6	4	3	2	0
		15	1001.6	-	2.6	0.7	6.7	89	6.9	0	1	4	9	17	0	0	0	0	1	2	1	4	9	8	5	2	3	2	0	1	12	13	5	8	7	4	2	0	0
		21	1002.2	-	1.3	0.4	6.4	92	6.5	1	2	4	5	19	0	0	0	0	1	1	6	10	10	10	1	2	0	0	9	14	8	4	9	1	3	4	2	0	0
2 ENGLAND E & NE																																		
NORTHUMBERLAND																																		
BOULMER	27	3	1002.8	-	3.7	0.5	7.4	91	6.5	3	0	3	7	17	1	0	0	0	0	1	1	5	15	5	4	0	0	0	7	11	10	3	1	2	9	5	6	1	3
		9	1003.0	-	3.6	0.6	7.2	89	6.7	0	2	3	13	13	0	0	0	0	0	1	1	9	10	7	4	0	0	0	7	9	15	0	1	2	8	5	8	3	2
		15	1002.5	-	4.3	0.6	7.6	89	6.8	0	2	2	12	15	0	0	0	0	0	1	2	8	12	5	3	0	0	0	7	13	11	0	0	3	9	5	6	3	3
		21	1002.8	-	3.6	0.6	7.3	90	6.3	2	2	4	5	18	0	0	0	0	0	0	3	5	15	7	1	0	0	0	9	8	14	0	1	4	8	4	8	2	3
SEAHOUSES	12	3	1002.8	-	-	-	-	-	5.9	1	5	5	4	16	0	0	0	0	0	0	3	5	15	7	6	0	1	7	10	12	1	1	2	7	2	15	2	1	0
		9	1002.7	-	-	-	-	-	6.5	0	3	3	10	15	0	0	0	0	0	1	4	13	11	6	2	0	1	7	9	13	1	1	2	9	1	13	1	3	0
		15	1002.5	-	-	-	-	-	6.9	0	2	2	11	16	0	0	0	0	0	0	4	6	11	6	4	0	1	7	10	13	0	2	1	9	2	11	3	3	0
		21	1002.9	-	-	-	-	-	5.9	3	2	5	5	16	0	0	0	0	0	1	3	13	12	4	0	0	0	6	13	10	2	1	2	11	0	10	3	2	0
TYNE & WEAR																																		
NEWCASTLE	72	3	1002.9	-	3.1	0.6	7.0	89	5.8	4	2	4	4	17	0	0	0	0	0	2	3	5	12	3	4	2	0	0	0	6	25	0	1	1	5	7	9	5	2
WEATHER CENTRE (X)		9	1003.1	-	3.2	0.7	7.0	87	6.9	1	2	1	8	18	1	0	0	0	0	2	2	7	14	7	0	0	0	0	0	6	25	0	1	0	7	8	7	6	1
		15	1002.4	-	4.1	0.8	7.3	87	6.8	1	1	3	7	18	1	0	1	1	0	1	2	10	9	5	2	1	0	0	0	8	23	0	4	3	7	7	7	2	1
		21	1002.8	-	3.5	0.7	7.2	88	6.1	2	3	5	3	18	0	0	0	0	0	1	1	9	13	6	1	1	0	0	0	10	21	0	0	3	8	4	8	4	3
TYNEMOUTH	40	3	1002.6	-	4.0	0.7	7.4	88	5.8	5	2	2	5	17	0	0	0	0	0	0	3	5	8	17	4	3	0	0	4	5	9	11	1	2	1	5	6	10	2
		9	1002.9	- 7.8	4.0	0.8	7.3	87	6.7	2	1	1	11	16	0	0	0	0	0	0	3	5	8	14	6	0	0	0	7	9	11	0	1	0	7	4	12	3	2
		15	1002.2	-	4.7	0.8	7.6	87	6.9	1	1	3	7	18	1	0	0	0	0	0	1	5	11	13	0	0	0	1	12	7	11	0	2	2	10	4	10	1	2
		21	1002.6	-	4.2	0.8	7.4	87	5.5	5	2	5	2	17	0	0	0	0	0	0	2	10	10	1	0	0	0	3	10	7	10	1	0	1	10	1	12	2	3
NORTH YORKSHIRE																																		
LEEMING	33	3	1002.6	-	2.2	0.3	7.0	94	6.9	2	1	1	8	14	5	0	3	0	3	6	4	7	4	3	1	0	0	0	8	23	0	4	5	1	11	4	3	0	0
		9	1002.9	- 8.7	2.2	0.3	6.9	93	7.2	0	2	2	6	16	5	0	3	0	3	3	5	9	4	3	2	0	0	0	6	22	3	5	4	3	8	7	0	0	1
		15	1002.1	-	3.7	0.5	7.6	92	6.6	0	2	2	6	13	5	0	3	0	4	1	5	9	5	4	0	0	0	0	15	16	0	6	2	4	3	12	4	2	1
		21	1002.5	-	2.6	0.3	7.2	94	7.0	1	1	3	4	18	4	0	5	1	2	0	6	8	4	5	5	0	0	0	10	18	3	2	4	3	11	5	1	0	2
WHITBY C.O.	66	3	1002.5	-	4.1	0.6	7.6	91	5.7	3	2	7	4	15	0	0	0	0	1	1	5	13	8	3	0	2	1	9	7	12	2	1	1	3	3	7	11	3	1
		9	1002.5	-	4.1	0.6	7.5	90	6.8	0	1	6	6	18	0	0	0	0	1	3	2	12	4	7	2	1	1	4	4	10	3	2	2	4	3	11	5	1	0
		15	1002.0	-	5.0	0.7	[illegible]	88	6.7	1	1	3	9	16	1	0	0	0	0	2	0	7	9	7	5	2	1	1	6	6	6	6	4	0	3	10	4	0	1
		21	1002.4	-	4.2	0.6	7.6	90	6.4	2	3	3	4	19	0	0	0	0	0	0	4	14	8	4	1	3	9	7	11	8	2	1	1	6	6	6	13	2	0
HUMBERSIDE																																		
SPURN POINT	20	3	1002.7	-	4.8	0.6	7.8	91	6.2	2	2	6	3	14	4	0	2	1	1	0	1	14	12	0	0	0	0	7	11	12	1	1	3	4	9	7	3	1	2
		9	1002.7	-	4.7	0.6	7.8	91	7.2	1	0	3	5	18	4	1	2	1	1	2	2	11	11	0	0	0	0	7	13	8	2	1	2	6	9	5	3	2	1
		15	1002.0	-	5.3	0.7	8.1	90	6.5	1	1	6	9	14	0	0	1	0	0	0	1	5	16	8	0	0	0	10	12	8	1	0	5	5	7	5	2	4	2
		21	1002.9	-	5.0	0.6	7.9	90	6.4	1	4	4	2	19	1	0	1	0	0	0	4	15	11	0	0	0	0	9	13	7	2	3	2	4	11	5	4	0	0
LINCOLNSHIRE																																		
BINBROOK	112	3	1002.5	-	2.9	0.3	7.3	94	6.1	4	2	2	6	15	2	0	3	0	4	1	8	7	5	3	0	0	0	2	11	17	1	0	1	5	5	6	8	4	1
		9	1002.5	-	2.9	0.3	7.3	94	6.8	1	1	3	9	15	2	0	2	3	4	2	6	6	4	2	0	0	0	0	15	16	0	1	2	4	7	6	7	1	1
		15	1001.7	-	4.0	0.5	7.7	92	6.5	0	2	5	9	12	3	1	1	2	1	1	3	4	10	7	2	0	0	0	1	20	9	1	2	6	3	7	4	7	0
		21	1002.3	-	3.3	0.3	7.5	93	6.3	0	3	6	7	15	0	0	1	1	1	2	8	9	7	2	0	0	0	0	15	16	0	1	2	4	7	7	9	4	1
HADDINGTON	70	3	1002.2	-	2.5	0.3	7.2	95	6.7	2	2	1	9	14	3	0	2	3	1	3	4	5	7	3	3	0	0	1	9	21	0	2	2	4	6	9	2	5	7
		9	1002.3	-10.4	2.6	0.3	7.2	94	7.1	0	1	3	8	12	7	0	4	2	7	2	4	5	2	5	0	0	0	1	14	14	2	2	4	4	9	3	5	1	1
		15	1001.4	-	4.2	0.5	7.8	91	6.7	1	0	6	8	13	3	0	3	1	2	1	7	5	7	5	0	0	0	1	18	13	0	2	2	4	6	7	1	7	1
		21	1002.1	-	3.3	0.4	7.5	93	6.5	2	1	4	8	15	1	0	0	1	3	2	7	10	5	3	0	0	0	1	14	15	1	3	2	5	7	6	4	1	2
3 EAST ANGLIA																																		
NORFOLK																																		
COLTISHALL	17	3	1002.8	-	4.2	0.7	7.4	88	6.2	2	5	4	3	18	1	0	1	2	2	0	6	11	1	7	1	0	0	2	10	17	2	1	2	5	7	6	5	2	1
		9	1002.9	-	4.4	0.7	7.7	89	6.9	0	1	3	12	15	0	0	1	0	2	2	6	8	6	5	1	0	0	0	13	14	4	0	4	6	8	2	6	2	1
		15	1002.1	-	5.7	1.1	7.8	83	6.7	0	1	5	15	10	0	0	0	0	0	1	6	13	4	6	1	0	0	0	18	11	2	0	4	6	8	2	6	2	1
		21	1002.8	-	4.6	0.8	7.5	86	6.8	0	2	2	13	13	1	0	1	0	0	1	5	10	6	8	0	0	0	1	13	14	3	1	3	3	7	9	2	1	2
MARHAM	24	3	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
		9	1002.5	-10.7	3.6	0.3	7.7	94	6.8	0	2	4	8	16	1	0	1	0	1	3	6	11	4	5	0	0	0	0	14	17	0	1	5	1	13	4	5	1	1
		15	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
		21	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
CAMBRIDGESHIRE																																		
WITTERING	76	3	1002 [illegible]	-	2.8	0.2	7.4	95	6.1	3	4	0	7	14	3	0	2	3	3	1	5	8	4	4	1	0	0	1	9	20	2	4	3	5	9	5	3	1	2
		9	1002.3	-10.8	3.1	0.3	7.4	94	6.8	1	1	3	10	12	4	0	3	2	3	3	5	9	5	4	0	0	0	1	13	15	2	4	3	6	7	7	4	2	2
		15	1001.4	-	4.7	0.7	7.9	90	6.4	0	3	4	10	10	4	0	4	2	0	3	5	9	6	7	0	0	0	0	15	16	2	0	6	3	7	6	4	2	1
		21	1002.1	-	3.5	0.4	7.6	93	6.1	1	4	4	9	12	1	0	2	0	0	3	5	5	7	9	0	0	0	0	15	15	1	5	3	6	7	7	3	2	1
WYTON	43	3	1002.2	-	3.4	0.4	7.6	93	6.4	3	1	2	7	15	3	0	4	0	1	2	0	7	6	4	3	0	0	1	9	18	3	2	2	2	10	3	4	1	1
		9	1002.3	-	3.5	0.4	7.6	93	6.7	0	1	3	9	14	3	0	4	1	3	0	2	6	6	6	3	1	0	0	13	15	2	4	3	5	7	6	3	1	0
		15	1001.4	-	5.2	0.8	8.0	88	6.5	0	1	4	13	9	4	0	2	2	0	0	2	5	6	4	7	2	0	0	17	14	0	4	3	5	8	3	5	1	2
		21	1002.2	-	4.2	0.5	7.8	91	6.5	1	2	3	9	14	2	0	2	0	0	2	5	10	5	7	0	0	0	0	13	18	0	4	2	6	10	3	4	2	0
SUFFOLK																																		
ALDEBURGH																																		
					REPORTS TERMINATED																														
HONINGTON	51	3	1002.7	-	3.5	0.5	7.5	92	5.9	2	4	3	9	12	1	0	1	1	0	2	5	5	6	9	5	3	0	0	2	10	19	0	2	3	2	7	11	4	5
		9	1002.6	-	3.7	0.5	7.5	91	6.8	1	2	3	7	18	0	0	1	0	0	2	4	5	9	5	6	0	0	0	11	19	1	1	3	2	7	9	0	6	3
		15	1001.8	-	5.3	0.8	8.1	88	6.7	0	2	4	10	14	1	0	0	0	0	0	4	5	11	5	6	0	0	0	17	13	1	1	4	5	7	8	5	4	2
		21	1002.5	-	4.1	0.6	7.7	90	6.8	0	1	6	6	17	1	0	0	2	0	1	6	13	4	5	0	0	0	1	11	19	0	4	1	7	4	5	4	2	1
WATTISHAM	91	3	1003.0	-	3.7	0.4	7.6	92	6.0	4	1	3	8	12	3	0	2	0	1	2	4	9	10	4	3	0	0	0	10	18	13	0	4	5	3	10	5	5	1
		9	1002.9	-	3.9	0.5	7.6	91	6.8	0	1	5	8	17	0	0	1	2	1	1	4	7	9	5	3	0	0	0	10	18	12	0	4	5	5	7	4	1	1
		15	1002.1	-	5.4	0.8	8.1	87	6.7	0	1	5	12	13	0	0	0	1	1	2	0	7	8	5	3	0	0	0	0	25	7	1	2	4	7	6	3	1	1
		21	1002.8	-	4.1	0.6	7.7	90	6.4	1	1	7	7	13	2	0	1	1	0	0	7	10	9	2	1	0	0	0	16	15	0	5	2	2	12	4	4	0	2
BEDFORDSHIRE																																		
CARDINGTON	30	3	1002.1	-	3.6	0.4	7.6	93	6.6	1	1	3	10	14	2	0	0	1	0	0	0	4	15	3	2	3	0	0	2	6	22	1	1	3	4	9	4	6	1
		9	1002.1	-11.7	3.7	0.4	7.7	93	6.5	1	3	3	6	14	4	0	0	3	2	1	1	4	11	6	4	0	0	0	1	11	18	1	2	3	4	7	5	1	1
		15	1001.2	-	5.4	0.7	8.3	90	6.7	0	2	6	8	13	2	0	0	2	1	1	3	4	10	9	4	0	0	0	0	16	14	1	3	3	5	6	4	2	2
		21	1002.0	-	4.2	0.4	8.0	93	6.5	1	3	5	4	16	2	0	0	1	1	0	1	3	12	7	6	0	0	0	1	11	19	0	3	3	5	8	5	6	0

TABLE 4 SUMMARY OF OBSERVATIONS AT FIXED HOURS

DECEMBER 1978

DISTRICT, REGION/COUNTY AND PLACE	HEIGHT OF BAROMETER ABOVE MSL (METRES)	HOUR OF OBSERVATION (GMT)	MEAN PRESSURE: AT MSL (MB)	MEAN PRESSURE: DIFFERENCE FROM 1941-70 AVERAGE	MEAN TEMPERATURE AND HUMIDITY: DRY BULB (DEGREES C)	MEAN TEMPERATURE AND HUMIDITY: DEPRESSION OF WET BULB (DEGREES C)	MEAN TEMPERATURE AND HUMIDITY: VAPOUR PRESSURE (MB)	MEAN TEMPERATURE AND HUMIDITY: RELATIVE HUMIDITY (%)	CLOUD AMOUNT OKTAS: MEAN	CLOUD AMOUNT OKTAS: NUMBER OF OBSERVATIONS: 0	1 - 2	3 - 5	6 - 7	8	SKY OBSCURED	VISIBILITY: NUMBER OF OBSERVATIONS: 0 - 39 M	40 - 199 M	200 - 399 M	400 - 999 M	1000 - 1999 M	2000 - 3999 M	4 - 9 KM	10 - 19 KM	20 - 39 KM	40 KM AND OVER	WIND SPEED AND DIRECTION: BEAUFORT FORCE: 8 OR MORE	6-7	4-5	1-3	CALM	SPEED (KT): 34 OR MORE	22-33	11-21	1-10	0	N	NE	E	SE	S	SW	W	NW
3 EAST ANGLIA -CONTD.																																										
ESSEX																																										
SHOEBURYNESS	5	9	1002.7	-11.4	5.1	0.7	8.0	89	6.7	0	2	2	17	9	1	0	1	1	1	1	4	5	9	9	0	1	0	1	17	13	0	4	3	3	8	2	7	2	2	1
		15	1001.8	-	6.4	1.0	8.5	86	6.8	0	1	3	16	11	0	0	0	0	1	1	11	9	8	1	0	1	19	11	0	3	3	4	5	4	7	4	1	4
		21	1002.6	-	5.1	0.7	8.0	89	6.2	2	2	5	7	14	1	0	1	0	0	1	1	11	10	6	1	0	2	15	14	0	2	1	1	10	6	6	1	4	
STANSTED	102	3	1002.4	-	3.3	0.3	7.6	94	6.4	2	2	4	5	14	4	0	1	2	2	3	7	8	4	4	0	0	0	1	8	20	2	4	3	4	8	4	6	1	0	0
		9	1002.4	-11.5	3.6	0.5	7.5	91	6.7	0	4	2	7	13	5	0	0	6	1	0	3	6	4	7	4	1	0	0	15	15	1	4	3	7	7	2	6	1	0	0
		15	1001.4	-	5.4	0.8	8.1	87	6.3	0	3	5	12	8	3	0	1	2	1	1	2	8	5	8	2	0	0	0	14	17	0	1	4	7	4	4	7	2	2	2
		21	1002.2	-	3.8	0.5	7.7	92	6.3	1	5	2	5	16	2	0	0	1	1	1	10	7	4	6	1	0	1	10	20	0	5	3	3	8	6	4	0	2	2
4 MIDLAND COUNTIES																																										
WEST YORKSHIRE																																										
HUDDERSFIELD	235	3	1001.8	-	1.0	0.3	6.3	93	7.0	1	1	3	3	22	1	0	3	4	4	2	4	7	5	2	0	0	0	0	3	24	4	2	5	3	5	7	4	0	1	
OAKES		9	1002.2	-	1.4	0.3	6.5	94	6.4	1	3	5	3	16	3	0	5	2	3	3	2	9	4	3	0	0	0	0	5	22	4	4	4	1	7	6	3	2	0	0
		15	1001.6	-	2.6	0.4	7.0	91	6.4	1	2	6	4	14	4	1	4	3	0	3	2	6	6	6	0	0	0	0	6	24	1	3	4	4	8	2	5	3	4	0
		21	1002.0	-	2.1	0.3	6.9	94	6.9	1	1	4	6	14	5	0	5	1	2	2	2	6	5	8	0	0	0	0	3	22	6	1	4	4	5	5	2	4	0	0
WILSDEN	267	3	1001.6	-	1.2	0.2	6.6	95	5.7	3	5	3	1	10	9	0	10	0	0	1	2	9	9	0	0	0	0	0	9	19	3	0	1	0	0	5	4	2	5	0
		9	1002.1	-	1.0	0.2	6.5	94	6.7	1	2	4	3	9	12	0	7	2	4	5	2	6	3	2	0	0	0	0	13	13	5	1	3	7	7	3	0	5	0	0
		15	1001.4	-	2.2	0.4	6.9	93	6.4	0	4	5	2	11	9	0	7	2	2	4	1	6	7	2	0	0	0	0	13	16	2	2	1	3	9	5	3	4	3	0
		21	1001.7	-	1.6	0.3	6.7	94	6.3	2	2	6	0	14	7	0	4	3	0	4	4	8	8	0	0	0	1	10	17	3	2	1	0	7	2	5	2	1	
SOUTH YORKSHIRE																																										
FINNINGLEY	15	3	1001.9	-	2.3	0.2	7.2	95	6.9	1	2	2	6	13	7	1	2	2	3	3	4	11	2	2	1	0	0	0	7	21	3	2	2	9	8	4	0	0	3	
		9	1002.1	-10.2	2.5	0.2	7.2	95	6.9	0	2	3	9	14	3	0	1	1	2	4	7	8	4	4	0	0	0	0	9	19	3	2	4	7	5	9	5	1	0	0	3
		15	1001.3	-	4.1	0.4	7.8	93	6.4	0	3	6	5	14	3	0	2	0	1	3	3	9	11	2	0	0	0	0	12	18	1	3	3	6	7	5	6	2	0	3
		21	1001.6	-	2.9	0.3	7.4	94	6.4	3	1	3	5	17	2	0	3	0	2	3	6	7	7	3	0	0	0	0	11	18	2	3	3	6	11	3	1	0	2	
NOTTINGHAMSHIRE																																										
WATNALL	119	3	1001.9	-	2.7	0.2	7.3	95	6.7	2	2	1	8	16	2	0	2	2	3	4	8	9	0	3	0	0	1	8	19	3	3	4	7	4	4	4	8	2	0	
		9	1002.1	-10.6	2.4	0.2	7.2	96	6.9	0	3	0	9	15	4	0	4	4	3	3	7	7	2	1	0	0	0	0	11	17	3	4	4	9	4	1	5	1	0	
		15	1001.1	-	4.0	0.5	7.7	92	6.5	0	2	7	6	12	4	0	1	2	4	1	9	11	2	1	0	0	0	0	12	18	1	5	4	8	2	2	5	3	1	
		21	1001.8	-	3.1	0.3	7.5	94	6.2	1	4	3	3	17	3	0	2	4	4	0	5	10	3	3	0	0	0	0	12	17	2	4	4	6	4	5	4	1	1	
SALOP																																										
SHAWBURY	76	3	1000.6	-	3.0	0.4	7.4	93	6.5	2	0	5	6	16	2	0	0	3	1	5	8	5	2	7	0	0	0	0	3	24	4	2	2	10	8	4	0	0	1	
		9	1000.8	-12.1	3.1	0.4	7.4	93	6.5	0	3	4	8	15	1	0	1	2	4	1	8	5	2	8	0	0	0	0	9	20	2	0	5	8	7	3	5	0	3	
		15	1000.0	-	5.0	0.9	7.8	87	6.5	0	1	8	6	14	2	0	2	0	3	1	5	5	6	9	0	0	0	0	8	23	0	5	1	10	4	5	4	2	0	
		21	1000.6	-	3.5	0.5	7.5	92	6.4	2	2	4	4	16	3	0	2	1	1	3	6	6	2	10	0	0	0	0	8	23	0	5	0	8	8	7	1	1	1	
WEST MIDLANDS																																										
EDGBASTON	165	9	1001.3	-12.1	3.2	0.6	7.2	90	7.0	1	0	2	12	13	3	0	1	4	4	2	0	11	5	4	0	0	0	0	8	19	4	2	4	1	8	5	4	3	0	
		15	1000.4	-	4.8	1.1	7.3	83	6.6	1	0	6	8	15	1	0	1	1	3	4	1	10	5	6	0	0	0	0	10	21	0	2	4	2	6	9	6	1	1	
		21	1001.1	-	3.7	0.7	7.3	88	6.0	0	7	2	4	16	2	0	0	3	1	2	1	10	9	5	0	0	0	0	9	21	1	4	2	3	7	7	5	2	0	
ELMDON	100	3	1001.4	-	2.8	0.4	7.3	93	6.6	1	1	6	4	15	4	0	2	1	3	2	6	9	5	3	0	0	0	0	9	19	3	2	2	3	12	6	2	1	0	
		9	1001.5	-11.8	3.1	0.4	7.4	92	6.9	0	1	5	8	12	5	0	1	3	3	0	8	6	8	1	0	0	0	0	12	18	1	3	5	4	9	2	5	1	1	
		15	1000.6	-	4.9	0.9	7.7	87	6.5	0	3	3	11	12	2	0	0	1	3	1	4	8	9	5	0	0	0	0	10	21	0	4	4	3	9	5	5	0	1	
		21	1001.2	-	3.5	0.4	7.6	92	6.3	0	6	2	4	17	2	0	1	1	1	3	3	10	9	3	0	0	0	0	13	18	0	3	3	4	8	5	4	1	3	
GLOUCESTER																																										
INNSWORTH	24	3	1000.8	-	4.7	0.6	8.0	90	6.2	2	3	4	6	14	2	0	2	0	1	2	1	14	10	1	0	0	0	0	6	24	1	5	1	7	4	8	4	0	1	
		9	1000.7	-	4.6	0.6	8.0	90	6.6	0	2	4	12	12	1	0	0	1	2	0	4	13	6	4	1	0	0	0	13	16	2	5	3	5	6	1	8	1	0	
		15	1000.2	-	5.9	1.1	8.0	84	6.7	0	1	6	13	10	1	0	0	0	0	0	5	2	10	10	4	0	0	0	12	19	0	7	2	4	6	3	8	1	0	
		21	1000.7	-	4.8	0.7	7.9	89	6.4	1	3	2	12	11	2	0	0	2	2	1	3	7	10	6	0	0	0	0	7	22	2	6	1	4	8	3	6	1	0	
OXFORDSHIRE																																										
BENSON	74	3	1001.6	-	4.1	0.5	7.9	92	6.2	3	2	3	7	14	2	0	2	1	1	1	5	9	4	8	0	0	1	15	11	4	5	2	4	6	7	3	0	0	
		9	1001.6	-	4.1	0.5	7.8	91	7.1	0	1	2	13	11	4	0	0	3	1	0	4	8	6	7	1	0	0	3	14	11	3	4	2	4	7	6	3	1	1	
		15	1000.8	-	5.8	0.9	8.2	86	7.0	0	0	6	13	10	2	0	1	1	2	1	1	11	5	6	3	0	0	0	15	13	3	5	3	3	6	4	5	2	0	
		21	1001.5	-	4.4	0.6	7.9	91	6.3	2	2	4	9	12	2	0	1	1	0	1	5	9	6	8	0	0	0	2	13	15	1	5	1	6	8	7	2	0	1	
BRIZE NORTON	92	3	1001.6	-	3.7	0.5	7.6	92	6.3	2	3	1	10	13	2	0	1	1	2	3	4	8	5	5	2	0	1	8	18	4	3	4	8	3	2	6	1	0	
		9	1001.5	-	4.0	0.5	7.8	92	6.5	1	3	2	10	13	2	0	0	2	2	3	5	6	9	3	3	0	0	1	14	17	0	2	5	8	4	2	6	2	2	
		15	1000.8	-	5.6	1.0	8.0	86	6.5	0	3	4	10	13	1	0	1	2	0	2	2	10	7	6	1	0	0	0	17	13	1	4	5	4	5	2	7	2	1	
		21	1001.4	-	4.0	0.5	7.7	91	6.5	0	3	5	6	14	3	0	2	0	4	0	2	7	8	6	2	0	0	2	8	19	2	5	2	7	7	0	7	1	0	
5 ENGLAND SE & CENT. S.																																										
GREATER LONDON																																										
HEATHROW	26	3	1001.9	-	4.7	0.3	8.4	94	6.4	3	1	3	6	15	3	0	2	0	1	1	6	11	6	4	0	0	0	0	6	25	0	4	3	9	5	4	4	0	2	
		9	1001.8	-12.3	5.0	0.5	8.3	91	6.5	0	2	4	14	8	3	0	0	2	0	3	1	1	3	10	8	3	1	0	0	2	8	21	0	5	2	6	7	5	3	5	7	2	2	3
		15	1001.0	-	6.7	0.9	8.8	86	6.2	0	3	6	12	10	0	0	0	0	0	1	1	4	8	9	8	0	0	0	0	5	18	0	1	3	6	4	5	7	2	3	
		21	1001.7	-	5.1	0.5	8.4	92	5.8	3	2	4	10	11	1	0	2	0	0	0	8	10	7	4	0	0	0	0	4	26	1	3	3	6	5	7	2	1	3	
KEW	10	3	1002.1	-	4.9	0.6	8.1	91	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
		9	1002.1	-12.1	4.6	0.8	7.8	88	6.8	0	2	2	14	11	2	0	1	2	1	2	1	10	8	5	1	0	0	0	5	22	4	2	3	6	6	2	7	1	1	0
		15	1001.3	-	6.6	1.4	8.3	82	6.1	0	3	5	13	10	0	0	0	0	1	1	3	8	8	7	3	0	0	1	12	17	3	3	3	7	5	7	4	1	0	
		21	1002.0	-	5.0	0.9	8.0	87	5.5	3	3	7	5	12	1	0	3	0	0	1	4	11	4	8	0	0	1	2	24	4	4	1	6	4	7	4	0	1	
LONDON	24	3	1002.3	-	5.7	0.8	8.3	88	6.2	3	2	3	4	17	2	0	1	0	1	2	4	9	8	6	0	0	0	0	10	21	0	1	6	5	7	3	6	2	1	
WEATHER CENTRE (X)		9	1002.3	-	5.8	1.0	8.1	84	6.8	0	2	1	16	11	1	0	0	0	1	0	2	6	9	7	5	1	0	1	13	17	0	1	6	6	6	3	5	4	2	
		15	1001.5	-	7.2	1.5	8.3	78	6.4	0	3	4	12	12	0	0	0	0	0	1	4	8	10	6	2	0	0	1	19	12	0	2	5	3	6	4	7	2	2	
		21	1002.2	-	6.0	1.0	8.2	84	6.2	1	4	3	7	15	1	0	0	0	1	0	5	8	12	5	0	0	0	1	11	19	0	5	3	3	7	6	6	0	1	
WILTSHIRE																																										
BOSCOMBE DOWN	128	3	1001.5	-	4.3	0.4	8.1	93	6.2	3	1	5	4	17	1	0	0	1	3	1	6	6	3	9	2	0	1	18	11	1	4	2	5	8	2	7	1	1	
		9	1001.4	-13.2	4.2	0.5	7.9	92	6.8	0	1	3	14	12	1	0	0	1	1	0	1	2	8	9	7	2	0	1	22	7	1	3	5	5	7	4	6	1	0	
		15	1000.7	-	5.8	0.8	8.4	88	6.9	0	2	2	14	10	3	0	2	0	1	2	1	6	11	5	3	0	0	2	20	8	1	4	2	5	4	3	7	2	3	
		21	1001.5	-	4.3	0.4	8.0	93	6.4	0	3	5	7	15	1	0	1	0	1	0	6	10	7	5	1	0	2	13	16	0	5	2	4	8	3	6	2	1	
LYNEHAM	149	3	1001.1	-	3.9	0.4	7.9	94	5.9	2	4	6	13	2	0	1	2	2	1	4	9	3	8	1	0	0	2	12	17	0	3	5	6	6	3	7	1	1	
		9	1001.0	-13.2	3.9	0.4	7.9	94	5.9	0	2	1	14	12	2	0	3	0	1	1	3	7	6	9	1	0	1	15	14	1	2	5	6	6	2	8	1	1	0	
		15	1000.3	-	5.1	0.8	8.1	88	6.3	0	4	2	14	9	2	0	2	2	0	1	2	6	9	8	1	0	1	11	19	0	6	4	3	5	4	7	2	1	1	
		21	1001.0	-	3.8	0.4	7.8	93	6.1	1	4	5	5	14	2	0	2	0	1	1	3	10	6	7	1	0	3	15	14	1	6	2	2	7	4	7	1	1	
UPAVON	183	9	1001.1	-	3.8	0.3	7.9	94	6.7	1	2	2	14	10	2	0	2	0	1	1	0	3	5	11	7	5	0	0	1	15	12	3	2	4	5	5	4	3	2	
		15	1000.4	-	5.4	0.7	8.2	89	6.8	0	1	2	17	8	3	0	2	1	1	0	3	2	7	11	5	1	0	2	17	10	2	4	4	0	8	3	7	3	2	
		21	1001.1	-	3.9	0.3	7.9	94	6.0	2	3	5	6	13	2	0	1	1	2	1	2	8	9	6	1	0	3	9	17	2	4	2	3	7	5	5	1	2	

TABLE 4 SUMMARY OF OBSERVATIONS AT FIXED HOURS

DECEMBER 1978

DISTRICT, REGION/COUNTY AND PLACE	HEIGHT OF BAROMETER ABOVE MSL (METRES)	HOUR OF OBSERVATION (GMT)	MEAN PRESSURE		MEAN TEMPERATURE AND HUMIDITY				CLOUD AMOUNT OKTAS								VISIBILITY								WIND SPEED AND DIRECTION																	
																									BEAUFORT FORCE																	
																									8 OR MORE	6-7	4-5	1-3	CALM													
																									SPEED (KT)																	
			AT MSL (MB)	DIFFERENCE FROM 1941-70 AVERAGE	DRY BULB (DEGREES C)	DEPRESSION OF WET BULB (DEGREES C)	VAPOUR PRESSURE (MB)	RELATIVE HUMIDITY (%)	MEAN	0	1 - 2	3 - 5	6 - 7	8	SKY OBSCURED	0 - 39 M	40 - 199 M	200 - 399 M	400 - 999 M	1000 - 1999 M	2000 - 3999 M	4 - 9 KM	10 - 19 KM	20 - 39 KM	40 KM AND OVER	34 OR MORE	22-33	11-21	1-10	0	N	NE	E	SE	S	SW	W	NW
									NUMBER OF OBSERVATIONS																																	
S ENGLAND SE & CENT. KENT		S-	-CONTD.																																						
DUNGENESS	7	3	1002.6	-	-	-	-	-	6.2	1	1	8	5	13	3	0	2	0	1	0	0	13	6	9	0	2	7	9	12	1	4	2	0	3	4	10	1	7	2
		9	1002.3	-	6.3	0.8	8.6	87	6.7	0	1	3	15	12	0	0	0	0	0	0	2	12	15	6	2	0	2	8	16	4	1	2	2	3	4	9	1	5	2
		15	1001.6	-	-	-	-	-	7.1	0	1	1	14	15	0	0	0	0	0	1	0	17	7	6	0	0	1	9	16	5	0	2	2	3	5	7	1	5	2
		21	1002.3	-	-	-	-	-	6.2	2	3	4	4	18	0	0	0	0	0	1	0	6	16	8	0	1	11	14	5	0	2	2	3	5	7	1	5	2	3
MANSTON	45	3	1003.1	-	5.1	0.5	8.3	91	6.5	1	3	4	7	15	1	0	1	0	0	3	1	11	9	6	0	0	3	15	13	0	1	1	4	1	6	11	5	1	2
		9	1003.0	-	5.3	0.7	8.2	89	6.7	0	1	5	12	12	1	0	1	0	0	1	1	11	10	4	0	0	4	18	9	0	1	2	3	2	9	7	6	1	1
		15	1002.2	-	6.2	0.9	8.5	85	6.9	0	2	1	16	12	0	0	0	0	1	0	2	13	5	8	2	0	3	20	10	0	1	1	3	2	7	6	5	1	2
		21	1002.9	-	5.2	0.7	8.2	88	6.7	1	1	4	7	18	0	0	0	0	0	2	2	14	6	7	0	0	3	13	15	0	1	1	2	2	9	9	5	2	5
HAMPSHIRE																																									
SOUTHAMPTON	9	3	1001.5	-	6.2	0.8	8.6	88	6.4	3	1	1	10	14	2	0	1	0	1	0	3	9	11	6	0	0	0	5	26	0	4	7	2	6	4	3	5	4	0
WEATHER CENTRE	(X)	9	1001.4	-	6.0	0.8	8.6	88	6.9	0	1	3	14	11	2	0	0	1	2	0	3	10	9	5	0	0	0	10	21	0	3	5	2	7	6	5	4	7	0
		15	1000.8	-	7.3	1.1	8.8	83	6.9	0	2	2	13	13	1	0	0	1	0	0	1	9	8	11	0	0	0	10	21	0	3	6	3	6	3	3	5	2	1
		21	1001.5	-	6.3	0.8	8.7	88	6.2	0	4	5	8	13	1	0	1	0	0	1	4	5	14	6	0	0	0	7	24	0	5	6	3	7	3	2	6	1	2
WEST SUSSEX																																									
BATWICK	60	3	1002.5	-	4.4	0.4	8.2	94	6.4	2	2	2	8	16	1	0	1	0	2	0	5	1	5	1	0	0	1	9	19	2	4	3	5	5	4	2	5	0	1
		9	1002.5	-12.0	4.5	0.5	8.1	92	6.7	0	1	3	17	9	1	0	1	2	0	0	1	13	11	7	0	0	1	8	18	0	4	4	3	6	5	5	8	2	0
		15	1001.7	-	6.5	1.0	8.6	85	6.5	0	3	1	18	9	0	0	0	0	0	1	2	12	7	5	0	0	1	19	12	0	4	3	2	4	6	6	5	0	1
		21	1002.4	-	5.0	0.5	8.3	91	5.8	3	2	5	10	10	1	0	1	0	0	2	4	13	6	5	0	0	1	9	20	1	4	2	1	4	6	5	6	0	3
EAST SUSSEX																																									
HERSTMONCEUX	28	3	1002.5	-	5.4	0.4	8.7	93	6.2	1	3	3	12	12	0	0	0	0	1	1	6	9	10	4	0	0	1	9	21	0	6	5	3	4	3	6	2	2	0
		9	1002.5	-	5.6	0.6	8.6	91	7.0	0	1	1	17	12	0	0	0	0	0	2	3	6	17	9	1	0	0	11	19	0	6	5	3	5	4	6	2	2	0
		15	1001.6	-	6.7	0.9	8.9	87	6.9	0	1	2	17	11	0	0	0	0	0	3	4	14	9	3	1	0	1	10	20	0	7	5	3	5	5	6	2	2	0
		21	1002.3	-	5.7	0.6	8.7	91	6.3	0	4	5	7	15	0	0	0	0	0	2	3	11	10	5	0	0	0	9	21	1	6	4	2	5	2	7	0	2	2
7A ENGLAND NW & I.O.M. CUMBRIA																																									
CARLISLE	28	3	1001.3	-	3.2	0.7	7.0	88	6.0	0	5	4	10	12	0	0	0	0	0	0	2	12	11	6	0	0	0	11	18	1	1	2	2	14	8	3	1	1	0
		9	1001.6	- 9.2	3.1	0.7	6.9	88	6.4	0	3	4	14	10	0	0	0	0	0	0	2	6	13	9	1	0	0	11	20	0	2	1	2	12	9	1	3	2	0
		15	1001.0	-	4.4	0.9	7.3	85	6.4	0	2	6	15	10	0	0	0	0	0	1	2	12	14	9	1	0	0	9	21	0	2	1	3	13	5	3	5	0	1
		21	1001.6	-	3.1	0.6	7.1	90	6.4	1	2	4	9	15	0	0	0	0	0	1	5	9	15	1	0	0	1	8	20	2	1	1	1	14	5	7	0	1	0
LANCASHIRE																																									
SQUIRES GATE	11	3	1000.8	-	2.9	0.4	7.2	92	5.8	6	1	2	5	17	0	0	0	0	2	1	3	11	8	5	1	0	0	16	15	0	1	3	3	9	15	2	0	1	0
		9	1000.8	-11.0	2.9	0.5	7.2	91	6.6	0	3	3	11	12	2	0	1	0	0	2	1	9	8	6	1	0	1	18	12	0	2	3	2	9	14	0	1	2	0
		15	1000.1	-	4.7	0.8	7.7	87	6.1	1	3	3	15	9	0	0	0	0	0	1	3	14	9	3	1	0	0	17	13	0	3	2	2	9	10	2	5	0	0
		21	1000.6	-	3.4	0.5	7.3	90	6.1	2	3	3	6	17	0	0	0	0	0	1	7	11	6	6	0	0	0	17	14	0	3	3	2	7	14	2	2	1	1
GREATER MANCHESTER																																									
MANCHESTER	42	3	1001.2	-	3.9	0.9	7.1	85	6.2	2	3	3	6	17	0	0	0	0	1	0	2	3	14	9	2	0	0	0	4	26	1	0	2	8	8	10	1	3	0
WEATHER CENTRE	(X)	9	1001.3	-	4.0	0.8	7.2	86	6.3	1	3	3	14	10	0	0	0	0	0	0	3	11	8	3	0	0	0	8	28	0	2	5	6	9	3	4	5	1	1
		15	1000.5	-	5.5	1.3	7.4	80	6.5	1	1	5	12	12	0	0	0	0	1	0	0	5	14	5	0	0	0	7	24	0	1	5	6	6	2	7	1	2	1
		21	1001.1	-	4.5	1.0	7.3	83	5.8	3	3	3	9	13	0	0	0	1	0	0	4	10	11	5	0	0	0	8	22	1	1	5	6	9	7	1	1	0	0
RINGWAY	84	3	1001.4	-	3.5	0.8	7.1	87	6.0	3	2	4	7	14	1	0	1	0	0	2	5	9	10	4	0	0	0	8	22	1	0	4	5	9	10	2	1	0	0
		9	1001.5	-10.9	3.2	0.7	7.0	88	6.1	0	3	6	12	10	0	0	0	2	0	1	5	6	13	3	0	0	0	14	16	1	2	5	8	6	8	3	0	0	1
		15	1000.6	-	5.0	1.2	7.3	81	6.2	1	3	4	13	10	0	0	1	0	0	1	5	12	12	3	0	0	0	13	17	1	1	1	1	9	5	11	1	1	1
		21	1001.2	-	3.8	0.9	7.1	85	5.5	5	2	5	4	15	0	0	0	0	1	1	6	11	7	5	0	0	0	13	17	1	1	1	1	9	5	11	1	1	1
ISLE OF MAN																																									
POINT OF AYRE	9	3	999.5	-	5.6	0.8	8.1	87	6.0	1	4	4	8	14	0	0	0	0	0	0	0	1	2	14	1	14	1	7	16	5	2	1	5	6	11	5	2	4	0
		9	999.8	-10.6	5.3	0.8	8.0	88	7.0	0	0	4	7	20	0	0	0	0	0	0	1	7	8	10	5	0	0	9	17	4	1	1	6	6	11	2	4	0	0
		15	999.1	-	6.2	1.1	8.1	83	6.5	0	0	7	12	12	0	0	0	0	0	0	1	4	11	10	5	2	1	8	14	6	1	1	2	7	7	8	7	3	0
		21	999.8	-	5.4	0.8	8.0	87	6.2	0	2	10	3	16	0	0	0	0	0	0	0	2	14	2	13	1	0	8	13	8	1	1	2	7	4	9	4	7	0
RONALDSWAY	21	3	999.1	-	5.7	0.9	8.1	86	6.8	0	3	0	12	16	0	0	0	0	0	0	1	9	10	9	2	0	0	7	15	9	0	3	3	9	8	3	5	0	0
		9	999.2	-11.9	5.4	0.9	7.9	86	6.6	0	1	6	12	12	0	0	0	0	0	0	3	5	10	7	6	0	1	11	11	9	0	3	4	7	11	2	2	2	0
		15	998.6	-	6.1	1.1	8.0	83	6.2	0	2	8	9	12	0	0	0	0	0	0	3	9	8	3	0	0	1	9	11	9	1	0	3	4	9	7	3	2	0
		21	999.3	-	5.5	0.9	7.9	85	6.5	0	2	4	10	15	0	0	0	0	0	0	0	3	9	5	9	5	1	7	16	7	0	4	4	8	6	5	2	2	0
7B WALES N GWYNEDD																																									
BARDSEY ISLAND	19	3	998.1	-	7.2	0.9	8.9	86	5.4	2	6	4	7	12	0	0	0	0	0	0	0	2	2	26	3	3	2	3	4	6	13	11	11	0	4	1	5	5	7
		9	997.6	-	7.2	1.0	8.9	86	6.4	0	2	7	8	14	0	0	0	0	0	0	0	2	2	24	3	3	2	3	4	10	13	13	4	0	4	2	6	8	5
		15	997.9	-	7.9	1.3	8.9	82	6.5	0	3	2	15	11	0	0	0	0	0	0	0	2	2	22	4	3	3	5	5	10	13	5	0	0	3	2	6	7	3
		21	998.2	-	7.4	1.1	8.9	84	5.9	1	4	6	5	15	0	0	0	0	0	0	0	0	0	28	2	1	3	5	14	9	0	6	2	4	6	3	6	4	0
VALLEY	11	3	998.5	-	5.4	0.8	8.1	87	5.2	1	8	4	10	8	0	0	0	0	0	0	0	0	8	6	14	3	0	3	19	9	0	2	5	7	8	5	3	1	0
		9	998.4	-13.3	5.6	1.0	8.0	84	5.7	0	6	3	15	7	0	0	0	0	0	0	1	1	7	18	4	1	0	9	11	10	0	2	3	10	8	4	3	1	0
		15	997.9	-	6.9	1.2	8.4	82	6.0	0	5	3	15	8	0	0	0	0	0	0	0	4	11	12	4	0	0	3	22	5	1	2	5	6	6	5	4	1	0
		21	998.6	-	5.9	1.1	8.0	84	5.2	1	8	3	9	10	0	0	0	0	0	0	0	0	4	9	16	2	0	4	19	7	1	1	5	5	8	5	5	1	0
8A WALES S DYFED																																									
ABERPORTH	134	3	998.1	-	5.0	0.7	8.1	89	4.9	5	5	3	8	10	0	0	0	0	0	0	0	0	9	10	10	2	2	6	19	4	0	0	3	2	10	8	4	4	0
		9	997.9	-15.0	5.3	0.8	8.0	87	5.6	0	7	3	17	4	0	0	0	0	0	0	0	5	17	9	3	0	2	12	13	6	0	1	3	1	11	6	7	3	1
		15	997.5	-	6.4	1.2	8.1	82	6.3	0	4	2	18	7	0	0	0	0	0	0	0	5	13	10	3	2	6	19	4	0	0	1	3	4	11	8	3	3	0
		21	998.4	-	5.2	0.8	8.0	87	5.4	3	5	3	9	11	0	0	0	0	0	0	0	6	12	12	1	2	4	19	6	0	0	1	3	4	8	10	2	3	0
BRAWDY	116	3	998.0	-	5.2	0.7	8.2	90	5.8	0	6	4	7	14	0	0	0	0	0	0	0	4	9	7	10	1	0	4	17	10	0	1	4	5	11	3	5	3	1
		9	997.7	-	5.5	0.7	8.4	89	6.1	0	5	3	15	8	0	0	0	0	0	0	1	11	8	12	1	0	5	15	8	1	0	1	3	4	10	5	3	4	0
		15	997.3	-	6.5	1.0	8.5	85	5.8	0	6	3	16	6	0	0	0	0	0	0	0	8	11	10	1	0	5	21	5	0	0	0	3	5	10	4	6	3	0
		21	998.2	-	5.6	0.7	8.5	90	6.3	1	2	4	10	14	0	0	0	0	0	0	1	1	10	5	13	1	1	4	17	9	0	0	3	5	10	4	6	3	0
BRYNAMMAN	-	9	-	-	4.5	0.6	7.9	90	6.2	1	4	2	11	13	0	0	0	0	0	1	3	18	5	4	0	0	0	9	18	4	1	2	3	7	7	2	4	1	0
		15	-	-	6.3	1.0	8.3	84	6.4	1	3	1	16	10	0	0	0	0	0	1	3	13	13	1	0	0	0	7	19	5	0	1	2	3	6	7	3	0	0
		21	-	-	4.6	0.5	8.1	90	6.5	0	4	1	12	13	1	0	1	0	0	1	0	23	3	3	0	0	0	7	18	5	0	1	2	3	5	4	6	3	0
MILFORD HAVEN C.B.	39	3	997.8	-	6.7	0.5	9.4	93	5.5	4	4	3	7	13	0	0	0	0	0	0	0	11	16	4	0	0	0	4	20	6	1	1	2	7	10	1	1	1	1
		9	997.5	-15.7	7.0	0.6	9.4	91	5.7	0	5	6	9	11	0	0	0	0	0	0	0	13	17	1	0	0	0	9	15	6	1	1	2	3	6	8	3	3	0
		15	997.2	-	7.8	0.8	9.6	88	6.0	0	4	6	8	13	0	0	0	0	0	0	0	10	15	6	0	0	0	6	18	8	1	2	3	5	7	8	5	4	0
		21	997.4	-	6.9	0.5	9.5	92	5.9	2	4	4	5	16	0	0	0	0	0	0	0	10	16	5	0	1	4	16	9	1	2	3	5	6	5	4	5	3	0
WEST GLAMORGAN																																									
MUMBLES HEAD	37	3	998.7	-	6.5	0.7	8.8	89	5.5	2	6	4	5	14	0	0	0	0	0	0	1	3	8	8	11	1	0	0	14	13	4	0	2	2	11	4	1	2	0
		9	998.7	-	6.7	0.8	8.9	88	6.2	0	2	6	14	9	0	0	0	0	0	0	1	0	12	9	6	1	0	0	11	12	8	0	2	4	3	4	2	3	0
		15	998.3	-	7.4	1.1	8.8	83	6.0	0	4	5	12	10	0	0	0	0	0	0	0	12	12	6	1	2	1	9	14	7	1	0	4	3	8	4	3	2	0
		21	999.2	-	6.2	0.7	8.8	89	5.9	2	3	6	3	17	0	0	0	0	0	0	1	7	7	13	3	2	5	16	7	1	4	3	9	4	3	3	4	0	0

TABLE 4 SUMMARY OF OBSERVATIONS AT FIXED HOURS

DECEMBER 1978

DISTRICT, REGION/COUNTY AND PLACE	HEIGHT OF BAROMETER ABOVE MSL (METRES)	HOUR OF OBSERVATION (GMT)	MEAN PRESSURE: AT MSL (MB)	MEAN PRESSURE: DIFFERENCE FROM 1941-70 AVERAGE	MEAN TEMPERATURE AND HUMIDITY: DRY BULB (DEGREES C)	MEAN TEMPERATURE AND HUMIDITY: DEPRESSION OF WET BULB (DEGREES C)	MEAN TEMPERATURE AND HUMIDITY: VAPOUR PRESSURE (MB)	MEAN TEMPERATURE AND HUMIDITY: RELATIVE HUMIDITY (%)	CLOUD AMOUNT OKTAS: MEAN	CLOUD AMOUNT OKTAS: NUMBER OF OBSERVATIONS 0	1 - 2	3 - 5	6 - 7	8	SKY OBSCURED	VISIBILITY: 0 - 39 M	40 - 199 M	200 - 399 M	400 - 999 M	1000 - 1999 M	2000 - 3999 M	4 - 9 KM	10 - 19 KM	20 - 39 KM	40 KM AND OVER	WIND SPEED AND DIRECTION: BEAUFORT FORCE 8 OR MORE	6-7	4-5	1-3	CALM	SPEED (KT) 34 OR MORE	22-33	11-21	1-10	0	N	NE	E	SE	S	SW	W	NW
8A WALES S -CONTD.																																										
MID GLAMORGAN																																										
CILFYNYDD	195	3	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
		9	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
		15	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
		21	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
SOUTH GLAMORGAN																																										
RHOOSE	69	3	1000.0	-	5.3	0.6	8.4	91	6.5	1	2	4	9	15	0	0	0	0	0	2	3	8	13	4	1	0	3	16	12	0	2	5	13	1	1	8	1	0
		9	999.8	-14.2	5.4	0.6	8.4	90	6.7	0	1	6	12	12	0	0	1	0	0	2	2	10	11	5	0	0	1	19	11	0	2	4	9	4	3	5	3	1
		15	999.3	-	6.4	1.1	8.3	84	6.1	0	6	1	12	12	0	0	0	0	0	1	2	9	9	10	0	0	1	17	12	1	2	4	6	5	3	6	4	0
		21	1000.0	-	5.0	0.6	8.1	90	5.7	2	5	3	6	13	2	0	0	2	1	0	2	9	8	9	0	1	1	14	14	1	4	5	8	3	4	3	3	0
8B ENGLAND SW																																										
AVON																																										
FILTON	61	3	1000.5	-	4.7	0.5	8.1	91	6.0	4	2	1	11	13	0	0	0	0	1	0	7	10	7	6	0	0	2	15	12	2	1	4	10	3	2	7	2	0
		9	1000.4	-13.6	4.8	0.5	8.2	91	6.7	1	0	3	16	9	2	0	1	1	0	2	5	7	10	5	0	0	0	17	12	2	0	6	6	6	3	6	3	0
		15	999.9	-	5.9	0.8	8.4	88	6.8	0	2	3	10	15	1	0	0	1	1	3	1	8	11	6	0	0	1	14	16	0	2	6	6	4	3	7	3	0
		21	1000.6	-	4.6	0.5	8.1	91	5.7	2	4	5	5	14	1	0	0	1	1	2	3	10	3	11	0	0	2	10	18	1	2	5	5	5	6	4	3	0
SOMERSET																																										
EXTON	-	9	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
		15	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
		21	-	-	3.6	0.2	7.9	96	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
YEOVILTON	23	3	1000.7	-	5.2	0.6	8.4	91	5.5	4	4	3	4	15	1	0	1	0	1	2	5	12	6	4	0	0	0	16	10	5	1	2	3	8	4	5	3	0
		9	1000.5	-	5.2	0.5	8.5	92	6.6	0	1	4	14	11	1	0	1	0	1	1	4	9	12	3	0	0	0	17	10	4	0	5	2	7	3	6	3	1
		15	999.9	-	6.8	0.9	8.9	87	5.8	0	5	6	12	8	0	0	0	0	1	3	2	5	12	8	0	0	3	13	15	0	3	3	2	5	5	7	3	0
		21	1000.7	-	5.2	0.5	8.5	92	5.5	4	5	3	3	15	1	0	0	0	2	3	5	7	12	2	0	1	1	11	10	8	2	1	1	5	5	5	4	0
DORSET																																										
HURN	11	3	1001.4	-	5.8	0.7	8.7	90	6.2	2	2	4	6	16	1	0	0	1	1	1	3	7	7	11	0	0	2	9	19	1	7	1	5	6	2	9	0	0
		9	1001.3	-	5.7	0.6	8.7	90	6.5	1	1	3	15	10	1	0	0	1	0	0	1	15	9	5	0	0	0	16	13	1	6	4	3	5	5	7	0	0
		15	1000.8	-	7.1	1.0	8.9	85	6.7	0	1	5	13	11	1	0	0	2	0	0	2	12	11	4	0	0	1	15	15	0	5	4	2	6	3	7	4	0
		21	1001.4	-	5.8	0.7	8.6	90	5.5	4	3	4	7	12	1	0	0	1	1	1	3	8	7	10	0	0	1	9	20	1	6	4	1	5	7	5	1	1
PORTLAND BILL.C.G.	54	3	1000.7	-	7.4	0.5	9.9	93	5.9	3	4	1	7	16	0	0	1	0	0	0	3	10	17	0	0	3	8	17	3	0	1	4	2	8	5	1	9	1
		9	1000.4	-	7.3	0.4	10.0	95	7.0	0	1	4	8	18	0	0	0	0	2	0	0	11	16	1	1	3	13	13	2	0	1	5	3	8	2	6	4	2
		15	1000.0	-	7.8	0.6	9.9	91	6.4	0	2	5	15	9	0	0	0	0	0	1	12	15	2	1	1	10	16	4	0	2	6	1	7	2	6	6	1
		21	1000.5	-	7.4	0.4	10.0	94	5.4	5	2	5	4	15	0	1	0	0	0	0	1	9	19	1	0	2	12	8	9	0	5	2	1	6	6	2	6	3
DEVON																																										
EXETER	38	3	1000.1	-	6.2	0.8	8.7	88	6.1	2	2	3	14	9	1	0	1	0	0	0	3	9	10	8	0	0	2	14	15	0	2	6	0	11	5	3	2	2
		9	999.9	-14.6	6.1	0.8	8.7	87	6.6	0	2	2	18	9	0	0	0	0	0	0	1	10	9	10	1	0	1	20	8	2	2	5	1	9	6	3	2	1
		15	999.5	-	7.6	1.3	8.9	82	6.1	0	3	5	15	8	0	0	0	0	0	0	1	9	6	13	2	0	3	13	15	0	4	3	1	7	6	2	1	1
		21	1000.2	-	6.0	0.8	8.6	88	5.4	2	5	5	8	11	0	0	0	0	0	2	2	3	15	7	2	0	2	11	16	2	3	1	2	7	8	2	3	3
HARTLAND POINT	93	3	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
		9	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
		15	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
		21	998.2	-	6.8	1.1	8.5	84	5.4	0	5	11	4	11	0	1	0	0	0	0	0	0	11	12	7	2	7	15	7	0	1	2	4	4	7	4	9	0
MOUNT BATTEN	28	3	999.3	-	7.4	0.9	9.3	87	6.1	3	0	5	15	8	0	0	0	0	0	0	0	10	17	4	0	0	7	13	10	1	1	1	7	5	5	3	7	1
		9	999.1	-15.4	7.4	0.9	9.3	87	5.9	0	7	2	11	11	0	0	0	0	0	0	1	12	13	4	1	0	5	19	7	0	1	4	5	7	3	6	5	0
		15	998.8	-	8.5	1.4	9.3	81	5.8	0	7	1	15	8	0	0	0	0	0	0	1	7	13	9	1	0	6	19	6	0	1	3	4	7	4	6	5	1
		21	999.6	-	7.2	0.9	9.2	87	5.1	3	5	5	10	7	1	0	0	0	0	0	2	13	10	6	0	0	3	16	11	1	1	4	4	8	4	5	0
PRAWLE POINT	-	3	-	-	-	-	-	-	5.9	1	3	6	12	8	1	0	0	0	0	1	0	7	17	6	0	8	14	8	1	0	5	2	5	6	3	6	4	0
		9	-	-	-	-	-	-	6.5	0	1	7	9	13	1	0	0	0	1	1	5	19	3	2	8	16	7	0	0	4	3	3	7	2	7	5	0
		15	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
		21	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
CORNWALL																																										
CULDROSE	84	3	998.3	-	7.6	0.8	9.6	89	5.8	1	3	7	6	14	0	0	0	0	0	0	3	12	13	3	0	0	8	12	11	0	2	4	1	8	5	4	7	0
		9	998.1	-	7.3	0.9	9.3	88	6.1	0	2	8	12	9	0	0	0	0	0	1	1	13	9	7	0	0	6	20	5	0	0	6	3	5	5	8	4	0
		15	997.9	-	8.2	1.1	9.5	85	6.0	0	3	6	12	10	0	0	0	0	0	0	6	8	11	6	0	0	3	21	7	0	1	4	3	4	5	8	5	1
		21	999.0	-	6.9	0.9	8.9	87	5.2	2	6	6	8	9	0	0	0	1	0	0	0	2	5	17	6	0	0	3	18	9	1	1	5	3	6	4	3	8	0
GWENNAP HEAD	70	3	997.4	-	8.4	0.8	10.1	89	5.6	2	4	6	5	14	0	0	0	0	0	0	0	4	11	14	2	4	13	11	3	0	0	1	6	4	8	8	3	1
		9	997.0	-	8.2	0.9	9.8	88	6.0	0	2	8	12	9	0	0	1	0	0	0	1	8	12	9	0	5	11	13	2	0	0	1	1	7	3	7	9	3	0
		15	997.1	-	8.8	1.1	9.8	85	6.0	0	3	6	12	10	0	0	0	0	0	1	11	11	6	2	2	13	12	4	0	0	3	4	3	5	13	1	2
		21	997.9	-	8.1	1.0	9.6	86	4.6	5	4	8	2	11	1	0	1	0	1	0	1	3	6	16	3	2	12	12	5	0	1	2	6	1	9	9	2	1
ST MAWGAN	107	3	998.3	-	6.8	0.8	9.0	88	6.0	2	1	5	13	10	0	0	0	0	0	0	1	8	11	10	1	1	5	17	8	0	0	3	5	10	4	5	3	1
		9	998.0	-16.2	7.0	0.9	8.9	86	5.9	0	3	5	15	8	0	0	0	0	0	0	1	8	12	8	2	0	10	13	8	0	1	3	4	9	6	3	5	0
		15	997.8	-	7.9	1.2	9.3	83	6.0	0	5	2	14	9	0	0	0	0	0	0	0	8	8	13	2	0	5	16	10	0	1	5	1	8	7	7	1	1
		21	998.8	-	6.4	0.8	8.7	87	5.7	2	5	2	11	10	1	0	0	0	0	2	1	7	8	13	0	0	2	20	9	0	1	4	7	6	5	4	0	
SCILLY	61	3	997.5	-	9.0	1.0	10.1	86	5.5	0	7	5	6	13	0	0	0	0	0	0	3	14	11	3	1	11	13	6	0	1	0	5	3	9	4	7	2	1
		9	997.4	-16.6	8.6	1.0	9.9	86	5.9	0	2	11	11	7	0	0	0	0	0	0	4	15	11	1	0	11	14	4	2	0	1	4	2	2	7	4	9	1
		15	997.1	-	9.5	1.2	10.2	84	5.9	0	5	6	10	10	0	0	0	0	1	0	9	11	9	1	2	7	16	6	0	1	4	2	2	7	7	6	2	
		21	998.2	-	8.7	1.0	9.8	85	5.3	1	6	5	9	9	1	0	1	0	1	0	0	4	13	10	2	1	7	19	3	1	1	3	3	3	7	3	8	2
CHANNEL ISLANDS																																										
GUERNSEY AIRPORT	105	3	1001.2	-	7.5	1.0	9.1	85	5.6	1	6	2	14	8	0	0	0	0	0	1	1	1	3	12	10	3	0	11	16	4	0	2	2	4	8	5	6	4	0
		9	1000.6	-	7.5	1.0	9.1	86	6.5	0	3	2	18	8	0	0	0	0	0	1	4	7	6	12	1	0	10	15	6	0	1	2	3	10	7	3	3	2
		15	1000.2	-	8.1	1.3	9.1	82	6.2	0	1	7	20	3	0	0	0	0	0	0	3	13	13	2	0	0	9	17	5	0	2	1	3	8	8	6	2	1
		21	1000.9	-	7.6	1.1	9.0	84	6.1	1	0	8	13	9	0	0	0	0	1	0	1	7	10	10	2	2	9	15	5	0	1	2	3	9	4	7	4	1
JERSEY AIRPORT	83	9	1001.3	-	6.6	0.7	9.1	90	6.5	0	2	5	13	11	0	0	0	0	1	1	2	11	7	9	0	0	4	19	8	0	3	3	11	7	3	4	0	
		15	1000.7	-	7.6	1.0	9.1	85	6.3	0	4	2	16	9	0	0	0	0	1	0	0	3	13	13	1	0	5	18	8	0	1	3	3	9	6	4	5	0
NORTHERN IRELAND																																										
LONDONDERRY																																										
MONEYDIG	35	9	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
		15	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
ANTRIM																																										
ALDERGROVE	73	3	998.3	-	4.2	0.6	7.5	89	5.8	2	3	4	12	10	0	0	0	0	0	0	4	7	8	10	2	0	1	13	17	0	3	1	10	10	7	0	0	0
		9	998.1	-12.3	4.2	0.7	7.5	89	6.3	0	3	6	8	14	0	0	0	0	0	1	12	9	6	3	0	3	14	13	1	0	1	9	13	5	1	1	0	
		15	997.8	-	5.3	1.0	7.6	84	5.5	0	6	8	5	12	0	0	0	0	1	1	11	7	12	0	0	2	17	12	0	0	2	11	7	7	2	0	2	
		21	998.7	-	4.2	0.7	7.5	89	5.4	1	4	11	4	11	0	0	0	0	0	0	4	13	3	10	1	0	2	13	16	0	1	4	9	8	8	1	0	0
TYRONE																																										
CARRIGANS	112	9	997.3	-	4.4	0.6	7.8	90	6.5	0	4	3	8	16	0	0	0	0	0	0	0	10	14	5	2	0	3	12	11	5	1	3	5	15	2	0	0	0
		15	997.0	-	5.5	0.9	7.9	86	5.9	0	3	6	14	8	0	0	0	0	0	0	0	12	12	7	0	0	2	16	10	3	0	4	6	11	4	2	0	0
		21	998.1	-	4.1	0.6	7.5	89	5.5	0	5	8	8	10	0	0	0	0	1	0	0	7	19	4	0	0	2	12	16	1	4	4	6	10	6	0	0	0

TABLE 5 NUMBER OF DAYS WITH MAXIMUM AND MINIMUM TEMPERATURES BETWEEN GIVEN LIMITS — DECEMBER 1978

STATION	MAXIMUM °C								MINIMUM °C							
	0.0 OR LESS	0.1 TO 5.0	5.1 TO 10.0	10.1 TO 15.0	15.1 TO 20.0	20.1 TO 25.0	25.1 TO 30.0	ABOVE 30.0	-15.0 OR LESS	-14.9 TO -10.0	-9.9 TO -5.0	-4.9 TO 0.0	0.1 TO 5.0	5.1 TO 10.0	10.1 TO 15.0	ABOVE 15.0
LERWICK (PSYCHROMETER)	3	15	13	0	0	0	0	0	0	0	0	5	22	4	0	0
LERWICK (SCREEN)	3	15	13	0	0	0	0	0	0	0	0	5	22	4	0	0
STORNOWAY	1	5	22	3	0	0	0	0	0	0	0	3	14	14	0	0
CAIRNSTONE	3	12	16	0	0	0	0	0	0	0	1	6	21	3	0	0
ROTHESAY	2	8	19	2	0	0	0	0	0	0	0	5	22	4	0	0
ABBOTSINCH	3	11	15	2	0	0	0	0	0	0	5	6	15	5	0	0
ESKDALEMUIR (PSYCHROMETER)	3	20	6	2	0	0	0	0	0	0	4	10	14	3	0	0
ESKDALEMUIR (SCREEN)	3	19	7	2	0	0	0	0	0	0	4	9	15	3	0	0
DOUGLAS	1	8	18	4	0	0	0	0	0	0	0	2	23	6	0	0
BOULMER	1	10	20	0	0	0	0	0	0	0	1	7	18	5	0	0
HULL	1	5	21	4	0	0	0	0	0	0	1	7	17	6	0	0
DORLESTON	0	5	20	6	0	0	0	0	0	0	0	2	19	10	0	0

STATION	MAXIMUM °C								MINIMUM °C							
	0.0 OR LESS	0.1 TO 5.0	5.1 TO 10.0	10.1 TO 15.0	15.1 TO 20.0	20.1 TO 25.0	25.1 TO 30.0	ABOVE 30.0	-15.0 OR LESS	-14.9 TO -10.0	-9.9 TO -5.0	-4.9 TO 0.0	0.1 TO 5.0	5.1 TO 10.0	10.1 TO 15.0	ABOVE 15.0
CAMBRIDGE BOTANIC GARDENS	1	9	13	8	0	0	0	0	0	0	3	7	13	8	0	0
EDGBASTON	2	12	11	6	0	0	0	0	0	0	0	12	11	8	0	0
KEW (PSYCHROMETER)	1	9	11	10	0	0	0	0	0	0	2	7	10	12	0	0
KEW (NORTH-WALL SCREEN)	1	9	11	10	0	0	0	0	0	0	1	4	13	12	1	0
HASTINGS	1	5	11	14	0	0	0	0	0	0	0	6	12	11	2	0
SOUTHAMPTON	1	5	10	15	0	0	0	0	0	0	0	8	8	12	3	0
STONYHURST	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
VALLEY	1	6	15	8	1	0	0	0	0	0	0	7	8	15	1	0
RHOOSE	1	8	12	10	0	0	0	0	0	0	0	8	12	10	1	0
FALMOUTH	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
ALDERGROVE	1	7	21	2	0	0	0	0	0	0	0	7	18	6	0	0
ARMAGH	1	11	16	3	0	0	0	0	0	0	0	9	15	7	0	0

TABLE 6 SUMMARY OF AUTOGRAPHIC RECORDS OF WIND — DECEMBER 1978

DISTRICT REGION/COUNTY AND PLACE		HEIGHT OF VANE IN METRES			DISTRIBUTION OF HOURLY MEAN VALUES OF WIND SPEED							MEAN HOURLY WIND SPEED (KT)	HIGHEST VALUES						
					34 KT OR MORE (GALE FORCE)			22-33 KT	11-21 KT	4-10 KT	LESS THAN 4 KT		HOURLY WIND			GUST			
		ABOVE MSL	ABOVE GROUND	EFFECTIVE	DATES OF OCCURRENCE	NUMBER OF HOURS	NUMBER OF DAYS	NUMBER OF HOURS				HOURS OF NO RECORD	VEER FROM N	SPEED-KT	DAY	HOUR BEGINNING	VEER FROM N	SPEED-KT	DAY	TIME
0 SCOTLAND N																			
SHETLAND	LERWICK	93	10	10	8	1	19	264	336	134	9	0	17.9	130	34	8	02	110	51	12	1518
ORKNEY	KIRKWALL AIRPORT	41	15	10	7 8 24	21	17	185	443	88	7	0	17.9	090	36	24	19	090	55	24	1930
WESTERN ISLES	BENBECULA	16	10	10	6	3	20	226	343	153	19	0	16.9	150	34	6	15	150	51	6	1512
	STORNOWAY	12	10	10		0	8	60	460	196	28	0	13.5	110	27	7	14	110	45	7	1436
HIGHLAND	DALCROSS	19	10	10	7	1	8	33	258	321	131	0	9.7	150	37	7	02	120	53	8	1124
	DOUNREAY	34	12	9	2 6-8	34	16	156	286	179	40	49	16.1	130	45	7	18	130	60	7	2042
	DUIRINISH	38	20	17		0	9	59	330	286	53	16	11.8	060	32	28	06	060	53	28	0600
	FORT AUGUSTUS	58	16	16		0	0	0	134	309	301	0	5.8	150	21	7	22	030	51	7	0906
	WICK	45	10	10	7	1	18	189	419	124	11	0	16.7	140	34	7	12	140	54	7	2006
1 SCOTLAND E																					
	ABERDEEN,DYCE AIRPORT	68	10	10		0	3	11	388	256	89	0	10.9	120	23	8	00	110	46	8	0012
	FRASERBURGH	29	13	11	8 24 25	12	16	168	374	176	14	0	16.1	110	35	8	18	130	53	7	2112
	KINLOSS	18	13	13	7	2	8	37	292	331	82	0	10.3	140	36	7	07	140	62	7	0554
	LOSSIEMOUTH	17	10	10	2 7	2	12	97	324	243	78	0	12.5	140	37	7	05	150	55	2	1230
TAYSIDE	BELL ROCK	39	40	38	1-4 6-8 11 24 25 27-31	119	26	225	296	69	33	2	21.8	120	44	7	09	110	57	8	0030
	MYLNEFIELD	40	10	10		0	1	3	257	260	224	0	8.5	110	23	7	18	110	41	7	1700
	TUMMEL BRIDGE	161	16	16		0	1	9	153	318	256	8	6.7	120	23	7	10	120	47	7	1030
FIFE	LEUCHARS	25	13	13		0	16	188	214	247	95	0	13.7	120	33	7	17	120	47	7	2006
LOTHIAN	EDINBURGH																				
	TURNHOUSE AIRPORT	43	13	10		0	9	60	287	276	121	0	10.8	060	29	28	20	060	47	28	2018
	ROYAL OBSERVATORY, BLACKFORD HILL	159	10	10																	
	FORTH ROAD BRIDGE	72		72	27-29	21	17	119	299	218	87	0	13.7	050	41	27	22	050	52	28	1054
6 SCOTLAND W																					
STRATHCLYDE	ABBOTSINCH AIRPORT	16	10	10		0	5	44	260	305	135	0	9.7	080	25	28	12	080	43	28	1254
	ARDROSSAN	24	20			0	12	92	430	209	11	2	14.0	090	30	7	00	060	52	28	1218
	DUNSTAFFNAGE	13	10	10		0	12	95	318	255	72	4	12.3	090	30	7	19	090	51	7	2012
	GREENOCK PORT	51	49		24 25 27-29	53	18	123	296	211	56	5	15.6	120	42	28	11	120	58	28	1112
	INCHTERF	55	15	12		0	6	58	283	243	149	11	10.3	070	29	27	14	060	47	28	2130
	LOWTHER HILL	754	27		DEFECTIVE RECORD																
	MACHRIHANISH	22	12	12	1-3 6-8 10 11 24 27 28	90	18	198	236	195	25	0	18.8	120	45	7	15	110	65	7	1512
	PAISLEY	57	25	9		0	0	0	154	332	237	21	6.7	080	21	28	21	080	47	28	2054
	PRESTWICK AIRPORT	21	10	10	7	13	12	108	285	235	103	0	12.8	120	44	7	11	120	60	7	1018
	TIREE	24	16	12	1-3 6-8 10 11	70	23	260	359	42	13	0	21.2	120	41	7	19	120	56	7	1600
DUMFRIES AND GALLOWAY	ESKDALEMUIR	259	10	10		0	3	6	225	294	219	0	7.8	120	24	7	19	120	49	7	1918
	WEST FREUGH	25	10	10		0	12	137	267	236	100	4	12.8	120	33	7	10	120	52	7	1042
2 ENGLAND E & NE																					
NORTHUMBERLAND	BLYTH	19	10	10	27-31	33	9	122	234	257	96	2	13.7	080	36	30	20	070	55	29	1736
	BOULMER	33	10	10		0	14	180	251	253	60	0	13.6	130	32	7	18	130	45	7	1900
TYNE AND WEAR	SOUTH SHIELDS	22	17	13		0	12	167	219	256	102	0	13.0	090	32	30	23	090	39	30	2306
CLEVELAND	SOUTH OARE	28	20	20	7 21 24 27-31	80	20	142	298	185	39	0	17.2	080	41	30	23	080	55	31	0230
DURHAM	DURHAM	119	16	10	DEFECTIVE RECORD																
NORTH YORKSHIRE	LEEMING	42	10	10		0	1	1	251	351	141	0	8.4	050	22	31	05	120	36	7	2218
	LINTON-ON-OUSE	23	9	10		0	0	0	215	316	213	0	7.6	090	20	27	16	120	33	7	2236
	SILPHO MOOR	207	15	9		0	0	0	211	271	255	7	6.9	160	20	2	11	170	40	2	1106
HUMBERSIDE	SPURN POINT				2	2	16	177	310	192	43	20	15.2	140	35	2	08	040	45	31	0906
LINCOLNSHIRE	BINBROOK	118	10	10		0	4	18	364	288	74	0	10.9	160	27	12	02	150	41	12	0206
	CONINGSBY	16	10	10		0	3	4	282	334	124	0	9.1	160	23	12	02	160	41	12	0216
	CRANWELL	68	13	13		0	7	25	390	229	100	0	11.0	220	26	13	00	230	44	12	2348
	SCAMPTON	68	10	10		0	3	7	346	291	97	3	10.3	220	25	13	00		37	31	0236
	WADDINGTON	80	10	10		0	6	15	349	296	84	0	10.6	070	24	31	04	220	41	13	0006
3 EAST ANGLIA																					
NORFOLK	COLTISHALL	27	10	10		0	4	13	308	272	151	0	9.5	090	28	31	00	090	47	31	0000
	DORLESTON	16	13	13	30 31	10	18	172	307	218	37	0	14.8	060	39	31	00	070	51	30	2254

TABLE 6 SUMMARY OF AUTOGRAPHIC RECORDS OF WIND

DISTRICT REGION/COUNTY AND PLACE		HEIGHT OF VANE IN METRES ABOVE MSL	HEIGHT OF VANE IN METRES ABOVE GROUND	HEIGHT OF VANE IN METRES EFFECTIVE	DISTRIBUTION OF HOURLY MEAN VALUES OF WIND SPEED: 34 KT OR MORE (GALE FORCE) DATES OF OCCURRENCE	34 KT OR MORE (GALE FORCE) NUMBER OF HOURS	22-33 KT NUMBER OF DAYS	22-33 KT NUMBER OF HOURS	11-21 KT NUMBER OF HOURS	4-10 KT NUMBER OF HOURS	LESS THAN 4 KT NUMBER OF HOURS	HOURS OF NO RECORD	MEAN HOURLY WIND SPEED (KT)	HIGHEST VALUES: HOURLY WIND VEER FROM N	HOURLY WIND SPEED-KT	HOURLY WIND DAY	HOURLY WIND HOUR BEGINNING	GUST VEER FROM N	GUST SPEED-KT	GUST DAY	GUST TIME
3 EAST ANGLIA - CONTINUED																					
	MARHAM		29	10	10		0	5	20	311	268	145	0	9.6	080	28	31	00	220	54	13	0442
CAMBRIDGESHIRE	WITTERING		87	10	10		0	2	4	329	309	102	0	9.5	210	23	13	00	210	40	13	0018
	WYTON		45	10	10		0	4	11	310	307	116	0	9.5	070	25	31	00	220	44	13	0400
SUFFOLK	HONINGTON		60	13	13		0	4	16	322	329	77	0	9.9	070	29	30	22	060	45	31	0042
	WATTISHAM		105	17	10		0	7	25	425	273	21	0	12.1	240	27	13	10	210	46	13	0448
BEDFORDSHIRE	BEDFORD		94	13	9		0	2	14	358	269	71	32	10.6	220	30	13	03	230	45	13	0342
	CARDINGTON		70	41	41	12	1	9	44	419	193	87	0	11.8	230	34	12	23	240	63	13	0348
HERTFORDSHIRE	GARSTON		94	15	10		0	0	0	46	453	236	9	5.1	240	19	13	09	250	43	13	0918
ESSEX	SHOEBURYNESS		17	14	12		0	8	32	384	294	32	2	11.7	060	30	30	23	060	49	30	2342
	STANSTED		108	10	10		0	1	5	277	395	67	0	9.2	060	26	30	22	240	42	13	0930
4 MIDLAND COUNTIES																						
WEST YORKSHIRE	WILSDEN		272	10	10		0	2	7	303	338	96	0	9.2	260	28	8	20	260	44	8	2012
SOUTH YORKSHIRE	FINNINGLEY		19	10	10		0	0	0	237	352	155	0	8.1	100	20	7	18	230	35	8	2136
	HIGH BRADFIELD		405	10	10	8 13	6	12	83	386	205	64	0	13.3	260	40	8	22	260	61	8	2118
	SHEFFIELD UNIVERSITY		146	29	15		0	0	0	144	375	225	0	6.5	230	21	13	00	250	43	8	2112
NOTTINGHAMSHIRE	WATNALL		133	16	10		0	1	1	279	336	128	0	8.8	040	23	31	02	220	41	12	2336
STAFFORDSHIRE	CELLARHEAD		241	13	8		0	0	0	245	378	121	0	8.3	230	18	12	23	230	37	12	2324
	KEELE		215	15	10		0	0	0	209	386	149	0	7.8	220	18	12	23	110	43	7	1330
SALOP	SHAWBURY		84	12	10		0	3	5	210	372	155	2	8.0	220	25	13	04	220	40	12	2254
WEST MIDLANDS	BIRMINGHAM EDGBASTON		196	36	22		0	0	0	233	398	113	0	8.4	240	21	12	22	250	39	12	2236
	ELMDON AIRPORT		104	10	10		0	1	1	265	359	119	0	8.5	220	22	12	23	230	39	12	2230
OXFORDSHIRE	BENSON		67	10	10		0	6	22	357	200	165	0	10.2	180	26	11	23	210	57	13	0306
	BRIZE NORTON		91	13	10		0	3	10	309	299	126	0	9.4	070	28	30	22	230	43	12	2106
	OXFORD		113	50	22		0	4	18	282	258	121	65	9.8	060	29	30	22	220	59	13	0300
5 ENGLAND SE & CENTRAL S																						
GREATER LONDON	HEATHROW AIRPORT		34	10	10		0	4	9	209	412	114	0	8.6	050	26	30	22	240	39	13	0754
	KEW		28	23	15		0	1	1	193	389	161	0	7.8	070	23	30	22	260	53	13	0336
	LONDON WEATHER CENTRE		93	70	38		0	3	7	345	358	34	0	10.6	060	25	30	22	250	48	13	0812
	POST OFFICE TOWER				174																	
WILTSHIRE	BOSCOMBE DOWN		130	17	17		0	9	60	401	226	57	0	12.4	070	31	30	21	260	47	13	0642
	LARKHILL		145	13	10		0	3	11	278	386	69	0	9.5	060	27	30	21	060	48	30	2106
	LYNEHAM		160	14	13		0	8	34	371	299	40	0	11.6	060	32	30	21	050	49	30	2318
	PORTON		120	10	10		0	6	44	360	273	67	0	11.2	060	31	30	21	220	47	12	1948
KENT	DOVER		27	21	18	12-14 28 30 31	56	23	184	418	74	12	0	18.9	250	44	12	22	260	72	13	0524
	DUNGENESS		16	10	10	12 13 30 31	14	20	178	413	117	22	0	16.7	220	38	13	01	250	59	13	0448
	EAST MALLING		33	12	10		0	0	0	99	392	227	26	5.9	220	19	12	21	220	41	12	2236
	ISLE OF GRAIN		15	12	10	31	2	6	42	283	342	75	0	10.6	070	34	31	12	070	48	30	2236
	MANSTON		62	18	18		0	14	96	467	169	12	0	14.6	040	33	31	15	040	50	31	1554
HAMPSHIRE	CALSHOT		15	13	10	11	1	14	90	378	261	14	0	13.7	190	34	11	22	250	50	13	0442
	FARNBOROUGH		75	10	10		0	0	0	197	393	154	0	7.9	070	21	30	22	070	42	30	2218
	MIDDLE WALLOP		94	10	10		0	2	5	338	323	78	0	10.2	060	24	30	21	250	39	12	2124
WEST SUSSEX	GATWICK AIRPORT		69	10	10		0	5	20	298	307	119	0	9.6	240	27	12	21	230	46	12	2118
7A ENGLAND NW & I O M																						
CUMBRIA	CARLISLE		41	13	9		0	2	8	253	353	130	0	8.8	080	25	27	18	090	46	27	1906
	GREAT DUN FELL		857	10	10	DEFECTIVE RECORD																
	MOOR HOUSE		595	13	12	DEFECTIVE RECORD																
	SELLAFIELD		25	12	11	DEFECTIVE RECORD																
LANCASHIRE	FLEETWOOD		34	15	9		0	5	20	394	292	20	18	11.9	050	26	29	05	120	45	7	1824
	SQUIRES GATE AIRPORT		22	12	11		0	7	30	390	306	18	0	12.1	090	25	28	11	090	39	28	1218
MERSEYSIDE	AIGBURTH		38	23	11		0	4	7	329	340	68	0	10.1	110	24	7	15	050	40	29	0630
GREATER MANCHESTER	MANCHESTER RINGWAY AIRPORT		80	10	10		0	1	2	338	316	88	0	9.9	070	22	29	09	140	40	7	2254
	WEATHER CENTRE		82	45	17		0	0	0	172	399	173	0	7.4	240	19	8	20	040	39	29	0600
ISLE OF MAN	POINT OF AYRE		20	10	10	2 6 7 24	18	19	225	315	147	24	15	17.2	130	37	6	15	120	52	7	1500
	RONALDSWAY		25	10	10	6 7	11	18	214	319	181	19	0	16.7	120	37	7	16	120	54	7	1724
7B WALES N																						
GWYNEDD	VALLEY		26	16	12	2	2	17	146	387	194	15	0	15.1	160	35	2	08	160	50	2	0818
8A WALES SOUTH																						
DYFED	ABERPORTH		144	10	10	1 2 6 7 11 12 14	23	17	166	444	102	9	0	17.6	150	40	1	23	150	57	1	2306
	BRAWDY		121	10	10	12	1	18	137	418	175	13	0	15.4	250	34	12	20	250	58	12	2024
	MILFORD HAVEN		47	10	10	12	4	14	131	387	207	15	0	15.0	240	41	12	20	240	64	12	2018
WEST GLAMORGAN	PORT TALBOT		30	11	7	12 30	3	15	119	379	182	61	0	13.7	090	36	30	21	090	51	30	2124
MID GLAMORGAN	CILFYNYDD		210	16	16		0	5	21	350	240	133	0	10.2	240	31	12	21	240	74	12	2100
SOUTH GLAMORGAN	RHOOSE AIRPORT		74	10	10		0	8	51	400	241	52	0	12.2	250	33	12	20	250	60	12	2012
8B ENGLAND SW																						
AVON	AVONMOUTH		28	19	10	13	1	7	33	348	296	66	0	11.2	250	35	13	06	250	53	13	0642
SOMERSET	YEOVILTON		22	12	10		0	11	35	356	262	91	0	11.3	090	30	30	21	080	51	30	2042
DORSET	HURN AIRPORT		23	13	11		0	6	24	346	287	87	0	10.5	230	31	12	21	230	53	12	1942
	PORTLAND BILL CG		60	13	13	7 11-14 23 28 30 31	54	23	254	348	80	4	4	20.1	250	49	12	20	250	69	12	1848
DEVON	BURRINGTON		211	10	10	12 30	4	14	97	359	263	21	0	13.3	270	42	12	19	270	64	12	1954
	MOUNT BATTEN		64	13	13	12 13	11	20	166	352	181	34	0	15.6	250	43	12	19	250	67	12	1936
CORNWALL	CULDROSE					12 13 30	10	19	108	452	166	8	0	15.5	240	46	12	18	240	63	12	1700
	LIZARD		96	23	18	1 2 6-8 11-13 15 23 27 28 30 31	82	24	276	295	54	3	34	22.1	250	54	12	17	250	75	12	1730
	ST MAWGAN		120	13	13	11-13	8	18	143	373	218	2	0	15.4	240	39	12	18	240	56	12	1900
	SCILLY(ST MARYS)		70	20	17	7 11-14 23 27 28 30 31	49	23	264	324	85	22	0	19.9	280	46	12	16	290	72	13	0306
CHANNEL ISLANDS																						
	GUERNSEY AIRPORT		116	12	12	11-13 31	18	20	204	413	104	5	0	17.8	230	41	12	19	230	71	13	1530
	JERSEY AIRPORT		94	12	10		0	13	95	449	193	7	0	14.4	250	31	13	05	240	56	13	1542
NORTHERN IRELAND																						
LONDONDERRY	COLERAINE UNIVERSITY		33	10	10																	
ANTRIM	ALDERGROVE		80	10	10		0	5	48	336	314	46	0	11.6	100	29	7	15	080	45	27	2018
	BALLYPATRICK FOREST		166	13	13	6 7 24 27 28	26	14	140	269	243	47	19	14.4	120	38	7	09		56	7	
	BELFAST HARBOUR		21	18	18	DEFECTIVE RECORD																
DOWN	KILKEEL		36	19	14	2 3 7 23 28	18	22	236	278	161	51	0	17.0	140	36	2	04	110	50	7	1748
	KILLOUGH		31	15	15	2 3 6 7 11 23 24 27 28 30	62	22	264	258	103	27	30	20.1	120	43	7	15	120	56	7	1548
	ORLOCK HEAD		51	16	12	1 3 6 7 11 23 24 27-31	126	23	212	256	127	20	3	21.5	100	50	27	19	100	69	28	0812
TYRONE	CARRIGANS		129	10	10	DEFECTIVE RECORD																
FERMANAGH	CASTLE ARCHDALE FOREST		79	13	13	DEFECTIVE RECORD																

TABLE 3 ADDITIONS AND CORRECTIONS

YEAR	MONTH	STATION	AIR TEMPERATURE IN DEGREES C								MEAN EARTH TEMPERATURE		RAINFALL (TERMINAL H 09 GMT)				WEATHER (NUMBER OF DAYS)												BRIGHT SUNSHINE		
			MEANS OF		DAILY MEAN (MEAN OF A+B)	DIFFERENCE FROM 1941-70 AVERAGE	HIGHEST MAXIMUM		LOWEST MINIMUM		30 CM DEGREES C	100 CM DEGREES C	TOTAL FALL (MM)	PERCENTAGE OF 1941-70 AVERAGE	MOST IN A DAY		PRECIPITATION		SNOW OR SLEET	SNOW LYING AT 9H	HAIL	ICE PELLETS, ETC.	THUNDER HEARD	FOG AT 9H	AIR FROST	GRASS MINS C	CONCRETE MINS C	GALE	DAILY MEAN (HOURS)	PERCENTAGE OF 1941-70 AVERAGE	EXPOSURE
			MAX. (A)	MIN. (B)			MAX.	DATE	MIN.	DATE					AMOUNT (MM)	DATE	0.2 MM OR MORE	1.0 MM OR MORE													
1976	DECEMBER	SELLAFIELD															17	14													
1977	FEBRUARY	GLENMORE LODGE																14													
	MARCH	LYONSHALL	9.6		6.5	+1.0																									
		INNSWORTH	10.7		7.7	-																									
1978	JULY	GLENMORE LODGE																		0											
		WHITEHILLOCKS	16.1																												
		ARROCHYMORE									-																				
		CAMMONEY																						1							
		COLERAINE UNIVERSITY	16.2	9.7			21.5	12																	0						
		COOLKEERAGH	17.3	10.6	13.9		22.0	29	7.0	21			58		10	9,25	17	15							0						
		TRAAD POINT	17.3	9.8	13.5				6.4	21															0						
		CARNLOUGH																						0							
		DIVIS MOUNTAIN		7.4	11.1																				0						
		WOODBURN NORTH	15.6		12.2																										
		ROSETTA	18.3	10.3	14.3		23.0	12,13	4.8	21			27	33	13	3	5	4							0						
		HILLSBOROUGH									13.8																				
		TANDRAGEE	18.5	10.3	14.4																										
		POMEROY FOREST	16.8	9.4	13.1																										
	AUGUST	ACHNASHELLACH															24														
		DOUNREAY													9	15	20	14													
		INVERPOLLY																						0							
		ONICH															23	19													
		BRAEMAR																													
		ELGIN												64																	
		FRASERBURGH												84																	
		KINROSS																17													
		CALLANDER															18	18													
		NEWTON STEWART	17.1	10.5	13.8		22.6	2	6.0	26			119	111	31	5	18	15	0	0	0	0	1	1	0			0			
		COCKLE PARK	17.4		13.8																										
		KIELDER CASTLE						19																							
		ASKHAM BRYAN																13													
		MALHAM TARN		9.2						17,30																					
		WHITBY (COASTGUARD)															16							1							
		YORK (HESLINGTON)	18.5	10.7	14.6																										
		CLEETHORPES															17														
		SUTTON BRIDGE															12	10													
		GORLESTON																13													
		CAMBRIDGE NIAB								27			49	79																	
		MARHOLM					25.0	19																							
		MONKS WOOD		10.5				19,21																					4.34		
		EAST BERGHOLT	(20.6)	(9.2)	(14.9)		24.9	22	4.8	27			47	85	12	3	12	9							0	0					
		ST ALBANS								27																					
		BRAMHAM	18.3	10.7	14.5		24.8	19	5.0	31			48	63	7	7	16	13	0	0	0	0	1	0	0	0		0			
		PONTEFRACT	18.2	11.5	14.9	-0.4	25.0	19	7.6	31			49	69	9	7	18	13	0	0	0	0	1	0	0			0			
		NEWTHORPE		(8.8)	(13.9)								(47)				(15)	(14)													
		PRESTON MONTFORD	(18.9)		(14.7)														-		-	-	-								
		COVENTRY AIRPORT	19.0	10.7																											
		STRATFORD-UPON-AVON																											4.14	79	
		RAUNDS											53	92	13																
		LYONSHALL		10.6																											
		SOUTHGATE	(20.0)																												S
		SHINFIELD (NIRD)																						1							
		DOVER RMS																						0							
		EAST MALLING																						0							
		HERNE BAY			15.9																										
		ALICE HOLT LODGE																						1							
		MARTYR WORTHY		(10.2)	(15.1)				3.9	31																					
		SPARSHOLT	(19.9)	(9.5)	(14.7)		23.3	20	4.3	31			50		21	1	10	7	0	0	0	0	0		0	1	0	0	(5.52)		
		VENTNOR																											7.35	109	
		ROGATE	19.8	9.8	14.8		23.5	19	4.0	31	17.5		41		14	1	11	8	0		0	0	0	0	0	0	0	0			S
		NEWTON RIGG	17.1	10.4	13.7	-0.4	21.4	19	5.0	10	15.4		82	105	19	5	18	14	0	0	0	0	0	2	0	0	0	3.43	74		S
		NESS GARDENS	18.0		14.9																										
		BARDSEY ISLAND											75	98			14	8													
		BOTWNNOG		10.8					8.3	13	16.1	15.5	90	94	21	13	14	11	0	0	0	0	0	0	0	0	0	0			
		TRAWSFYNYDD																							0						
		ALWEN																						1							
		CORWEN																						0							
		DALE FORT	17.3	12.0	14.7	-1.0	20.6	28	9.7	24	15.3		64		19	14	11	8	0	0	0	0	0	0	0	0	0	0	6.18		
		TREGARON											78																		
		BATH											36	44	12	1	9	6													
		DOWNSIDE ABBEY		(10.2)	(14.4)				6.3	31																					
		CHRISTCHURCH																								0					
		PORTLAND BILL CG	18.2	13.0	15.6	-0.5	21.0	19,23	8.9	31			4		1	9	5	3	0	0	0	0	1	0	0	0	0	0	7.38		
		WINFRITH																								(0)					
		ILFRACOMBE	18.8	13.3	16.1		25.4	19	10.6	11	17.8	18.3	47		23	15	11	7	0	0	0	0	0	0	0			0	6.00		
		SIDMOUTH		12.2	15.8	-0.2																									
		COOLKEERAGH	17.4	11.2	14.3		21.0	10	7.0	26			63		25	21	17	11							0						
		DERRYMDYD FOREST		10.7																											
		MONEYDIG					19.6	17																							
		LOWTOWN												83																	
		ROSETTA	17.9	11.3	14.6		22.5	26	6.0	26			62	68	25	12	7	6							0						
		BALLYWATTICOCK									15.0																				
		COOKSTOWN																							0						

Averages for 1941-70 were brought into use on 1-1-1974. Additions or corrections for months prior to this date refer to the averages in use at the time.

(x) Urban rooftop site.

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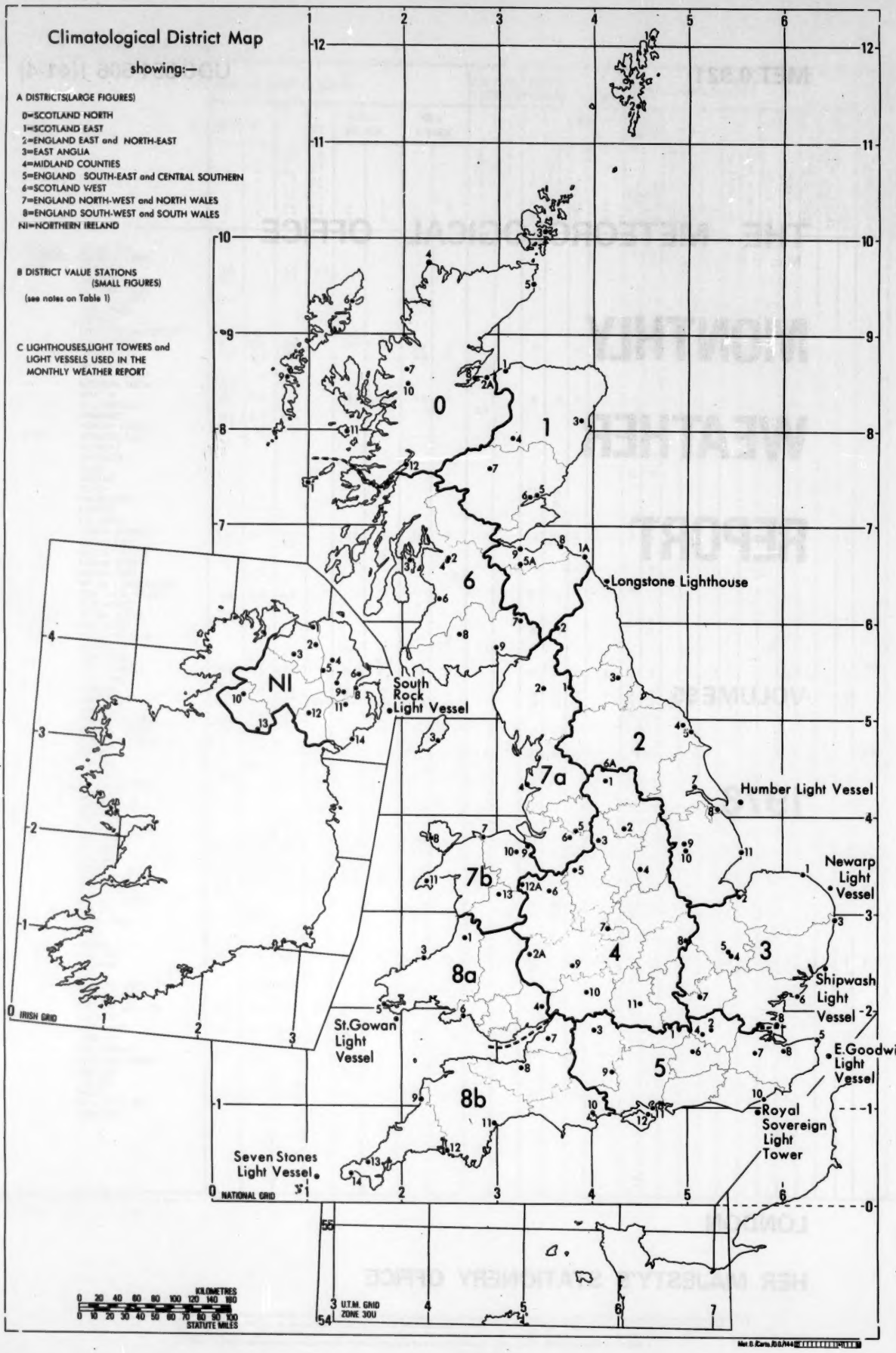
LONDON

HER MAJESTY'S STATIONERY OFFICE


Climatological District Map
showing:—
A DISTRICTS(LARGE FIGURES)
0=SCOTLAND NORTH
1=SCOTLAND EAST
2=ENGLAND EAST and NORTH-EAST
3=EAST ANGLIA
4=MIDLAND COUNTIES
5=ENGLAND SOUTH-EAST and CENTRAL SOUTHERN
6=SCOTLAND WEST
7=ENGLAND NORTH-WEST and NORTH WALES
8=ENGLAND SOUTH-WEST and SOUTH WALES
NI=NORTHERN IRELAND
B DISTRICT VALUE STATIONS (SMALL FIGURES)
(see notes on Table 1)
C LIGHTHOUSES,LIGHT TOWERS and LIGHT VESSELS USED IN THE MONTHLY WEATHER REPORT
Longstone Lighthouse
South Rock Light Vessel
Humber Light Vessel
Newarp Light Vessel
Shipwash Light Vessel
E.Goodwin Light Vessel
Royal Sovereign Light Tower
St.Gowan Light Vessel
Seven Stones Light Vessel
IRISH GRID
NATIONAL GRID
U.T.M. GRID ZONE 30U
KILOMETRES
STATUTE MILES

Contents

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London Road, BRACKNELL, Berkshire, RG12 2SZ.

Introduction to the Monthly Weather Report

The *Monthly Weather Report* summarizes weather observations made at about 600 stations throughout the United Kingdom. Particulars of the standards required by the Meteorological Office and the methods to be adopted in making the observatins are given in the *Observer's Handbook**. The Report includes almost all the items recommended in the World Meteorological Organization's *Guides to Climatological Practices* for inclusion in publications of climatological data.

The Introduction to the *Monthly Weather Report* is published separately at the end of the year to which it refers and forms an explanatory part of the volume. It gives particulars of any changes made since the previous year both in the observations and in the stations completing returns. It also provides informative notes on the features contained in the Report and gives advance notice, as necessary, of projected changes. Every third year a complete list of stations submitting climatological returns is published in the Introduction together with the names of the authorities responsible for them. The publication of an Annual Summary, similar to the monthly reports but containing additional tables, concludes the *Monthly Weather Report* for a particular year.

A brief history of the Monthly Weather Report

Monthly summaries of observations made at stations associated with the Meteorological Office were first published in 1869 in the *Quarterly Weather Report,* a publication issued for each of the years 1869 to 1880. The *Monthly Weather Report* commenced in 1884. The gap from 1881 to 1883 is bridged for synoptic stations by a supplement to the *Daily Weather Report* and for other stations by tables in *Observations at Stations of the Second Order.* For the first four years the *Monthly Weather Report* appeared as a separate publication and this practice was resumed in 1922. In the interim period, that is from 1888 to 1921, it was issued as a supplement to the *Weekly Weather Report,* at first styled a 'summary' and then from 1907 entitled *Monthly Weather Report.* Data on radiation relating to the period 1911-21 were published in the *British Meteorological and Magnetic Year Book,* Part 3, Section 2, and for the period 1922-56 in the *Observatories' Year Book;* they first appeared in the *Monthly Weather Report* in 1935. The Introduction to the 1915 volume gave a detailed resume of changes in content and layout, etc. up to that year, and subsequent changes were set out and explained in later Introductions, notably in those in 1921, 1923, 1955 and 1971. The Annual Summary began in 1903.

Heights, time standard

Unless otherwise indicated the height of a station above mean sea level (MSL) is the height above Ordnance Datum of the ground on which the rain-gauge stands, while the height of barometer above MSL refers to the height above Ordnance Datum of the barometer cistern or precision aneroid. A note on the errors arising from differences between the old Liverpool Ordnance Datum and the Newlyn Ordnance Datum adopted in Great Britain in 1933 was included in the Introduction to the 1953 volume. From 1 January 1964 altitudes in Northern Ireland refer to the Belfast Datum which, on average, is about 0.3 m lower than the Newlyn Datum.

All times in the *Monthly Weather Report* are in Greenwich Mean Time (GMT) and observations are made at the same time GMT throughout the year.

*London, Meteorological Office, *Observer's Handbook* (Met.0.805), 3rd Ed. London, HMSO, 1969

Contents of the Monthly Weather Report

The monthly parts of the *Monthly Weather Report* and the Annual Summary have the following features in common: text, five climatological maps, Tables 1 to 6 and late or amended data. The summary for the year has, in addition, Tables 7 to 12.

When observations for any station are incomplete it is sometimes possible to estimate values for the missing data by using reports from neighbouring stations. Details of the procedures are given in the notes below on the individual tables. An entry of — in the tables means that for various reasons data were not available and an estimate could not be made: an entry of 0 indicates no occurrence.

Text

An account is given under standard headings of the weather over the United Kingdom. It should be noted that the term 'sleet' is used when snow occurs with rain or drizzle, and also that the totals and statistics quoted in the section headed 'Rainfall' include all forms of precipitation and surface condensation phenomena (see rainfall notes on page ix). The note which reported observations in Scotland of the aurora, under 'Miscellaneous Phenomena', was discontinued in January 1978, as occurrences are no longer noted regularly.

Table 1 District values

Although the system of using the mean of statistics of a selection of stations to represent district values was initiated in the *Weekly Weather Report* in 1878, it was introduced in the *Monthly Weather Report* only in 1908. At first the district values were given in the table of station summaries, but in 1912 they were transferred to a special table called 'District Values' which, in 1914, was numbered Table 1. Elements at first included in this table were air temperature, earth temperature, sunshine, rainfall, cloud amount and pressure at MSL for the Districts 0 to 11. Districts 0 to 8 approximated to the present districts. Districts 9 and 10 (north and south Ireland respectively) and District 11 (English Channel) continued until 1940; in 1941 Northern Ireland, a separate unnumbered district, was added to Districts 0 to 8. Notable changes during the evolution of this table occurred in the following years: 1928 when data for pressure and cloud were disconnected; 1941 when the table assumed substantially its present form; 1964 when data for the whole of Scotland and the whole of England and Wales were included (although the percentages of average rainfall, based on data from a larger number of stations than those used in the individual districts, had appeared regularly in the text since 1921); 1971 when the individual district values of percentages of average rainfall were also calculated using a larger number of stations, and data for earth temperature at 122 cm ceased.

The major reorganization of local government which took place in England and Wales during 1974 led to the creation of several new counties and to large changes in the boundaries of certain of the older counties. It was decided that the climatological districts should continue to be defined in terms of administrative counties, and in consequence the boundaries of the climatological districts in England and Wales were modified. Similar slight changes to the climatological districts in Scotland became necessary as a result of the reorganization of local government there during 1975. The district boundaries are shown on the map (frontispiece).

The district values for air temperature, earth temperature, rain days and sunshine are currently computed from the available values for the individual stations (known as 'District Value Stations') listed below. Until 1975 five such stations were normally selected for each of these elements, as representative of each climatological district, but in January 1976 the list was revised and expanded in order to obtain improved areal averages. For the same reason a few stations have been included in adjacent districts as well as, or instead of, in their normal district. In the case of earth temperature the choice of stations has been restricted by the scarcity of long-period records. Northern Ireland constitutes one district and each of the other nine are made up of a number of adjacent counties or regions in Great Britain, broadly grouped according to their general climatic features. The positions of the District Value Stations used in each district are shown on the map (frontispiece). The highest maximum and lowest minimum air temperatures are for the District Value Station only. The differences from average of air temperature, earth temperature and number of rain days, also the percentage of average sunshine for each district, are the means of the corresponding values for each District Value Station. In order to obtain a representative areal average, percentages of average rainfall in each district are the means of the corresponding values for a larger number of stations than the District Value Stations used for the other elements. The number varies with district from 28 in the Midland Counties to 11 in Northern Ireland and includes some which report rainfall only. Details of the stations used may be obtained on request. The values given in the table for Scotland and for England and Wales are the means of the values for the several districts within these countries. Since January 1974, 1941-70 averages for each of the District Value Stations, weighted where records are incomplete, have been used to compute anomalies of the various climatic elements in Table 1; these averages may be obtained on request.

District 0					
1	Baltasound	–	–	E	–
2	Lerwick	T	r	–	S
3	Kirkwall	T	r	–	S
4	Cape Wrath	T	r	–	–
5	Wick	T	r	–	S
6	Stornoway	T	r	–	S
7	Kinlochewe	–	–	E	–
8	Fortrose	T	r	–	S
9	Benbecula	T	r	–	S
10	Achnashellach	T	r	–	–
11	Isle of Rhum	–	–	E	–
12	Onich	T	r	–	S
District 1					
1	Kinloss	T	r	E	–
2A	Nairn	–	–	–	S
3	Craibstone	T	r	E	S
4	Braemar	T	r	–	S
5	Dundee	T	r	–	S
6	Mylnefield	–	–	E	–
7	Faskally	–	–	E	–
8	Dunbar	T	r	–	S
9	Edinburgh (R:B.G.)	T	r	E	S
	Eskdalemuir	T	r	E	S
District 6					
1	Tiree	T	r	–	S
2	Abbotsinch	T	r	–	S
3	Rothesay	–	–	E	–
4	Paisley	–	–	E	–
5A	Penicuik	T	r	E	S
6	Auchincruive	T	r	E	S
7	Eskdalemuir	T	r	E	S
8	Dundeugh	–	–	E	–
9	Dumfries	T	r	–	S
	Onich	T	r	–	S
District 2					
1A	St Abbs Head	T	–	–	–
2	Kielder Castle	–	–	E	–
3	Durham	T	r	E	S
4	Silpho Moor	–	–	E	–
5	Scarborough	–	–	–	S
6A	Ilkley	T	r	–	S
7	Hull	T	r	E	S
8	Cleethorpes	T	r	–	S
9	Lincoln	T	r	E	–
10	Waddington	–	–	–	S
11	Skegness	T	r	–	S
	Terrington St Clement	T	r	E	S
District 3					
1	Cromer	T	r	–	S
2	Terrington St Clement	T	r	E	S
3	Lowestoft	T	r	E	S
4	Cambridge (B.G.)	T	r	E	–
5	Cambridge (N.I.A.B.)	–	–	–	S
6	Clacton-on-Sea	T	r	E	S
7	Rothamsted	T	r	E	S
8	Shoeburyness	T	r	–	S
	Raunds	T	r	E	S
District 4					
1	Bradford	T	r	E	S
2	Sheffield	T	r	–	S
3	Buxton	–	–	E	–
4	Watnall	T	r	–	S
5	Keele	–	–	E	–
6	Shawbury	T	r	–	S
7	Elmdon	T	r	–	S
8	Raunds	T	r	E	S
9	Malvern	–	–	E	–
10	Cheltenham	T	r	–	S
11	Oxford	T	r	E	S
District 5					
1	Hurley	–	–	E	–
2	Kensington Palace	–	–	E	–
3	Lyneham	T	r	–	–
4	Kew	T	r	–	S
5	Margate	T	r	E	S
6	Wisley	T	r	–	S
7	East Malling	T	r	–	S
8	Faversham	–	–	E	–
9	Porton	T	r	E	S
10	Hastings	T	r	–	S
11	Southsea	–	–	E	–
12	Ryde (I.O.W.)	T	r	–	S
District 7					
1	Moor House	–	–	E	–
2	Newton Rigg	T	r	–	S
3	Douglas (I.O.M.)	T	r	–	S
4	Squires Gate	T	r	–	S
5	Ringway	T	r	–	S
6	Knutsford	–	–	E	–
7	Colwyn Bay	–	–	–	S
8	Valley	T	r	–	S
9	Hawarden Bridge	T	r	–	–
10	Loggerheads	–	–	E	–
11	Botwnnog	–	–	E	–
12A	Oswestry	–	–	–	S
13	Lake Vyrnwy	T	r	E	–
District 8					
1	Trawscoed	–	r	–	S
2A	Lyonshall	T	–	–	–
3	Aberporth	T	–	–	–
4	Crumbland	–	r	E	–
5	Dale Fort	T	–	E	–
6	Swansea	T	r	E	S
7	Long Ashton	T	r	–	S
8	Cannington	–	–	E	–
9	Bude	T	r	–	S
10	Poole	T	r	–	S
11	Starcross	T	r	E	S
12	Plymouth Hoe	–	–	E	–
13	Rosewarne	–	–	E	–
14	Penzance	T	r	–	S
Northern Ireland					
1	Coleraine University	–	–	–	S
2	Moneydig	T	r	E	–
3	Banagher Filters	–	r	–	–
4	Lisnafillan	–	r	–	–
5	Toomebridge	–	r	–	–
6	Woodburn North	–	r	–	–
7	Aldergrove	T	–	–	S
8	Belfast Pumping Station	–	r	–	–
9	Stoneyford Res.	–	r	–	–
10	Castle Archdale Forest	T	–	E	S
11	Hillsborough	T	r	E	S
12	Armagh	T	r	E	S
13	Crom Castle	–	r	–	–
14	Annalong Valley	–	r	–	–

T = air temperature
r = rain days
E = earth temperature at 30 cm
S = sunshine

The stations are numbered to show their position on the map (frontispiece).
Stations marked A are from an adjacent district and do not appear in their normal district.
Stations which appear in two districts are numbered in their normal district only.

Maps

The published maps are simplified and are meant to give only a general impression of the distribution of the climatological elements. The value of an element at a point should be determined from tabulated data rather than by attempting to read it from the relevant map. The distribution of precipitation is given by means of isohyets on a full-page map. The analysis is based upon data from about 6500 stations and in order to improve legibility certain isohyets may be omitted in areas of heavy rainfall. A page of four maps based on all available data illustrates the mean 09 h pressure at MSL, the mean air temperature at MSL, the mean daily bright sunshine and the difference of mean 30 cm earth temperature from the 1941-70 average. Acknowledgement is made to the Director of the Meteorological Service, Dublin for kind permission to include certain data on the pressure map. The temperature map also includes mean sea-surface temperatures at certain locations in coastal waters named on the map (frontispiece). The averages of earth temperature at 30 cm used to prepare data for the anomaly map may be obtained on request.

Table 2 Solar radiation and illumination

Records of solar radiation at normal incidence measured at Kew Observatory were first published in the *Monthly Weather Report* in 1935 as Table III (c), which became Table III (b) in 1940. Total illumination on a horizontal surface was added for Kew in 1948 and for the London Weather Centre in 1950. In 1956 the direct (normal incidence) values at Kew were replaced by total and diffuse solar radiation on a horizontal surface. Data for other stations were added in this and in subsequent years. The table was renumbered Table XIII in 1957 and Table 2 in 1971. Since January 1977 the word 'total', referring to both solar radiation and illumination on a horizontal surface, has been replaced by the word 'global': this alteration implies no change in the method of measurement, but merely brings the nomenclature into line with current WMO practice. Publication of global illumination on a horizontal surface ceased at the end of 1977. From January 1978 daily totals of solar radiation have been expressed in megajoules per square metre.

The instruments used for the radiation records are Moll-Gorczynski pyranometers. Meteorological Office pattern bimetallic actinographs may be used as standby instruments for recording global radiation. From 1 January 1957 the radiation values have been measured in accordance with the International Pyrheliometric Scale (1956). If in any month the data for any days are incomplete, owing to instrumental or other faults, these data are augmented whenever possible by values estimated from other available radiation data. The mean daily value for complete days is then taken, but if seven or more days in the month are still incomplete then the daily mean for the month is not published. The daily means for the year are computed from the monthly means. Up to and including the table for December 1965, no value for an extreme was given when it was possible that the extreme value for the month or for the year occurred on a day for which the data were either incomplete or estimated. With effect from January 1966 the value is given in parentheses if the extreme value has been obtained from data which have been partly or wholly estimated.

It is sometimes found advisable to apply revised calibration constants retrospectively; the values published in this table are therefore liable to correction. A review of all published data is constantly being carried out and any necessary amendments are issued in the Annual Summary.

From January 1977 the 'Bracknell' station has been listed as 'Easthampstead', as in earlier years: the site, which is about 4 km SSW of the centre of Bracknell, has always been at Easthampstead.

Table 3 Summary of daily observations

Summaries of daily observations appeared in the *Monthly Weather Report* from its inception in 1884. In 1914 these data were collected into one table, almost identical to its present form, called Table III which became Table 3 in 1971. From January 1974 stations appear alphabetically under local government administrative areas which are themselves arranged as far as possible in geographical order (north to south and east to west) within climatological districts.

Statistics in parentheses indicate either estimates to replace missing data, or amended values.

Height of Station. The height given in the third column of the table refers to the ground on which the rain-gauge stands. In general it may be assumed that observations of other elements, with the occasional exception of sunshine, are made in the immediate vicinity of the rain-gauge. A notable exception occurs at Ventnor where all observations other than rainfall are made at 60 m above MSL.

Air Temperature. The measurements of air temperature are obtained from thermometers exposed in white painted louvered screens supported over short grass in the open, the bulbs of the thermometers being 1.25 m above ground. The nearest object should be at least twice its height away from the screen. Two measurements of air temperature are published for Eskdalemuir, Kew and Lerwick: one is obtained from an electrical resistance aspirated psychrometer at 1.25 m above the ground and the other from thermometers in a louvered screen as above, except at Kew where the louvered screen is on the north wall of the Observatory and about 8 m above the general level of the ground.

The times at which maximum and minimum temperatures are read at each station are given in the second column of the table. When the entry is 9 9, the thermometers are read only once each day and all values refer to the 24 hours ending at 09 h. When the entry in the second column is 21-9, the thermometers are read twice each day; means of maximum and minimum temperatures are then for the 12 hour periods ending at 21 h and 09 h respectively (usually referred to as 'day maximum' and 'night minimum' temperatures), whilst the values of highest maximum and lowest minimum refer to the 24 hours ending at 09 h. The monthly means and extreme minima at the two types of station are thus not always strictly comparable. In all cases maxima read at 09 h are credited to the previous day, but minima are credited to the days on which the values are read.

Earth Temperature. Measurements of earth temperature are taken at 09 h from special thermometers suspended in steel tubes sunk vertically in the ground, the bulbs being at depths of 30 cm and 100 cm. The tubes are fitted with covers so that water, etc., will not collect in them.

Rainfall. The rainfall total includes water collected in the rain-gauge from precipitation, such as rain, drizzle, sleet, snow and hail, and also from deposits derived from dew, fog, hoar frost and rime. The daily amount for any station is the total accumulated during the 24 hours from 09 h on one day to 09 h on the next. The total is credited to the former of the two days as the greater part of the period occurs on that day; thus, the amount of rainfall measured at 09 h on the first day of the month is included in the monthly total for the previous month.

Weather (Number of Days)

Precipitation: Every day (defined as the period 09 h to 09 h) is counted during which the total amount is at least 0.2 mm and again when it is at least 1.0 mm. The lower limit normally excludes occasions when the daily totals are derived wholly from dew and similar deposits.

Snow or sleet: Every day when snow or sleet (rain or drizzle and snow) is observed to fall at any time between midnight and midnight is counted, even though the quantity may be so small that no measurable precipitation is collected in the rain-gauge.

Snow lying at 09 h: Every day when snow is lying at 09 h is counted provided that the snow covers more than one-half of the ground easily visible from the station and the altitude of this ground does not differ by more than 30m from that of the station. In judging if more than one-half of the ground is snow covered no account is taken of bare patches under trees or of areas occupied by water.

Hail: For the purpose of this summary hail is defined as pieces of ice with diameters of 5mm or more falling either separately or agglomerated into irregular lumps, and the day is between midnight and midnight.

Ice Pellets, etc: Although there has been a change from July 1978, occasions recorded include days when ice pellets less than 5 mm in diameter occurred providing there has been no occurrence of hail (in which case a day of hail only would be reported).

Thunder heard: A day of thunder is counted when thunder is heard at any time during the period midnight to midnight.

Fog at 09 h: A day of fog is one on which at 09 h the visibility is less than 1000 m in the direction of worst visibility. Any variation in the time of observation may make a great difference to the statistics of fog frequency.

Air frost: An air frost is counted when the minimum air temperature read at 09 h (or 21 h) is below 0°C.

Grass minimum below 0 °C: A day of grass minimum temperature below 0 °C is counted when the reading on the grass minimum thermometer at 09 h is below 0 °C, the temperature being credited to the day of reading. The thermometer is set and exposed over short grass at the last hour of observation before sunset. At those stations where observations are taken once a day, the time of setting will therefore be at 09 h.

Concrete minimum below 0 °C: At a number of stations a minimum thermometer is set and exposed at the same time as the grass minimum thermometer, but with its bulb resting on the centre of the smooth surface of a slab of concrete of specified standard dimensions and composition. A day of concrete minimum temperature below 0 °C is analogous to a day of grass minimum temperature below 0 °C.

Gale: A day of gale is counted when a mean wind speed reaches or exceeds, or is estimated to have reached or exceeded, 34 kt (force 8 on the Beaufort Scale) over a period of at least several minutes (10 minutes in the case of a station equipped with an anemograph) during the period midnight to midnight.

Sunshine: The sunshine recorder is generally insensitive to sunshine when the sun is at an elevation of less than about 3 °. The symbol S in the column headed exposure indicates that obstacles obstruct the rays of the sun during more than 5 per cent of the period during which the sun is over 3° above the horizon. Details of percentage obstruction at sites annotated S are available on request.

Table 4 Summary of observations at fixed hours

Fixed-hour observations of various elements have appeared in the *Monthly Weather Report* since 1906 when the hours were 09 and 21 h for voluntary climatological stations and 08 and 18 h for official (then known as telegraphic reporting) stations. In 1909 the hours became 09, 15, 21 h and 07, 13,18 (or 21h) respectively. The table assumed its present form in 1914 but it was not called Table IV until 1915. The hours for official stations became 07, 13, 18, 21 (or 01) h in 1923 and 00, 06, 12, 18 h in 1944. In 1945 the hours for all stations became 03, 09, 15, 21 h. The order in which stations appear is the same as that used in Table 3.

Observations may not be available for all stations at all the four hours quoted above and no summary is published for any element for which data are incomplete.

Mean Pressure. Atmospheric pressure is expressed in millibars (1 mb = 100 pascals = 100 newtons per square metre). Precision aneroid barometers are now in general use for measuring pressure and a correction for altitude is applied to obtain the values at MSL. The 1941-70 averages of MSL pressure at 09 h which are used in this table are published in *Climatological Memorandum* No 51A obtainable from the Meteorological Office.

Humidity. Monthly mean values of vapour pressure and relative humidity are calculated from daily readings of dry-bulb and wet-bulb thermometers in louvered screens, except at Eskdalemuir, Kew and Lerwick where readings of aspirated psychrometers are used.

Cloud Amount. The unit used to indicate the proportion of the sky covered by cloud is the 'okta' or eighth of the sky. The scale runs from 0, which indicates a cloudless sky, to 8, which is completely overcast sky. The phrase 'sky obscured' is an abbreviation for 'sky obscured or cloud amount cannot be estimated', previously indicated in this table by the figure 9.

Surface Wind Speed and Direction. Speeds are adjusted to an effective height of 10 m. At a station which has an anemograph the mean speed and mean direction over an observational period of 10 minutes ending at the hour are used. However, if there has been a significant change in speed (10 kt or more) or direction (30 degrees or more) and the new mean value has been maintained for at least 3 minutes then this value is used instead. Where there are indicating instruments only, the means of several 15-to 20-second readings taken over the period of observation are used, but again, if there has been a significant change, the means of several readings after the change are used instead. At a station with no wind instruments an eye estimate is made of direction, and speed is estimated using the Beaufort scale of wind force.

Table 5 Number of days with maximum and minimum temperatures between given limits

For the year as a whole this table has been published in the *Monthly Weather Report* since the summary for 1913 and has also appeared monthly since January 1956. Data for about 20 selected stations are given in the table, which was called Table IV in 1913, but after three years as Table VIII became Table IX from 1917 to 1951. The table reverted to Table VIII in 1952 and it was renumbered Table 5 in 1971. For stations at which extreme temperatures are read at both 09 and 21h, Table 5 contains only day maxima and night minima. Thus the statistics for these stations are not strictly comparable with statistics for those at which extremes are read at 09h only (see notes on air temperature, Table 3).

Table 6 Summary of autographic records of wind

Tables in a similar form to this, summarizing monthly and annual wind data for stations with anemographs, were first published in the *Monthly Weather Report* in 1914. At first the monthly table was called Table V, but it became Table II in 1915; minor revisions were made to it in 1923 and 1956 and it was renumbered Table 6 in 1971. The annual table began as Table XI, changed to Table XII in 1915, reverted to Table XI in 1919 and became Table IX in 1952. It was renumbered Table 6 in 1971, becoming strictly analogous to its monthly counterpart. The order in which stations appear is the same as that used in Table 3. The majority of records used in the preparation of this table are obtained from electrical anemographs, only a few now being from pressure-tube anemographs.

Up to 1920 all available records were summarized regardless of missing data. In 1921 records 366 hours or more missing during a year were not summarized in the annual table and in 1923 this limit was raised to 500 hours. No limitation appears to have been placed on monthly data, but from 1922 some records described as 'defective' were not published. From 1954 no monthly summaries were published of records with more than 80 hours missing. From the same year entries in the columns headed 'highest velocities' in both monthly and annual tables were placed in parentheses, which were changed to square brackets in 1966, it it was though that these values might have been exceeded during a period of defective or missing record.

Since 1971 the criteria given below have applied to the publication of data in this table.

1. The distribution of hourly mean values of wind speed has not been published monthly if
   (a) data were missing or estimated for more than 80 hours, or
   (b) data were missing or estimated for 40 or more consecutive hours.
2. The distribution of hourly mean values of wind speed has not been published annually if
   (a) data were missing or estimated for more than 800 hours, or
   (b) data were missing or estimated for 400 or more consecutive hours.
3. The mean hourly wind speed for the month is computed as the average of the actual and estimated hourly mean wind speeds. Values of the monthly mean speed are not published if the distribution of hourly mean values of wind speed is not published.
4. Prior to 1974 values of highest hourly wind and gust were published even when the distribution of hourly mean values of wind speed was not, provided only that by comparison with neighbouring stations, it was considered unlikely that the values had been exceeded during any period of missing observations. From 1974 values of highest hourly wind and gust are omitted from the monthly tables when the distribution of hourly mean values of wind speed is not published, but the pre-1974 practice still applies to the publication of annual data.
5. If the above criteria result in no summary or only a partial summary, the entry 'Defective record' is inserted in the table.

From the beginning of 1973 the criteria above have been modified as follows:
1 and 2: Delete the words 'or estimated' wherever they occur.
5. Any entry of 'Defective record' means that some data are available, but for various reasons, which include those stated in 1 and 2, they have not been summarized.

The classification of surface wind speed is based on the Beaufort scale of wind force which ranges from 0 representing no wind to 12 representing hurricane force (see *Observer's Handbook*, 3rd Ed. pages 82 and 83). The equivalent speeds given in the Beaufort scale apply only to an anemograph exposed at an effective height of 10 m. Effective height is the height over open level terrain in the vicinity of the anemograph at which, it is estimated, the same mean wind speeds as those actually recorded would occur. The table includes some information concerning the actual exposure of the instrument at each station. 'Height of vane' refers to the height of the wind-speed sensor, that is, the vane of a pressure-tube anemograph or the cups of an electrical anemograph. In the columns headed 'number of hours' under the general heading 'distribution of hourly mean values of wind speed' the entries refer to the number of 60-minute periods beginning at exact hours in each of which the mean wind speed (not adjusted to an effected height of 10 m) was between the stated limits. These column limits are the equivalent speeds given in the Beaufort scale of Force 8 and above (gales), Force 7 and 6 (strong wings), Force 5 and 4 (moderate breezes), Forces 3 and 2 (light breezes) and Forces 1 and 0 (nearly calm or calm). The 'highest hourly wind' refers to a period of 60 minutes beginning at an exact hour. The directions shown in the columns headed 'veer from N' are the directions in degrees (true) from which the wind blew, for example, the entry for an east wind is 090, that for a south wind 180 and so on.

Table 7 Number of hours with gusts exceeding 33 knots and 47 knots in each month and during the year

This table appears in the Annual Summary. It was first published in the *Monthly Weather Report* in 1934 as Table XIIA; it became Table X in 1952 and Table 7 in 1971. When a period of missing or defective record rendered a value doubtful, that value was placed in parentheses and from 1966 in square brackets. The value was omitted if it was considered that the record was excessively incomplete. From 1971 no values have been published for months when the distribution of hourly mean values of wind speed in Table 6 was not published, except where there was reasonable certainty (by a comparison with neighbouring stations) that there were no hours with gusts exceeding the limit during any period of missing or estimated data. No annual values have been published if data for any month were missing. From January 1973, a change in the procedure for the extraction of the number of hours of gusts has resulted in a slight change in the statistic. Up to and including December 1972, the number of hours of gusts in any windy period was determined by considering the interval of time between the first gust and the last gust to exceed the threshold. From January 1973 the tabulation has included the number of 60-minute periods beginning at exact hours during which gusts above the relevant threshold have occurred. Thus, the new procedure yields slightly higher values of the number of hours of gusts than did the old procedure. An investigation was undertaken to obtain empirical relationships between the old and new statistics and details can be made available on request.

Table 8 Dates on which gusts exceeded 47 knots during the year

A similar table to this appeared in 1908 as an appendix to the *Weekly Weather Report* and was transferred to the *Monthly Weather Report* in 1914 as Table XV. In 1919 and 1920 and from 1923 to 1951 the table number was XIV. In 1952 it was renumbered Table XII and in 1971, Table 8.

This table includes all dates on which gusts exceeding 47 kt were recorded. From about 1940 the table also included notes of all periods during which the record was missing or defective. However, from 1971 reference has been restricted to those periods of missing or defective data during which it is considered that gusts may have exceeded 47 kt, thus indicating that the number of occasions published may be too few.

Table 9 Occasions on which the maximum hourly mean wind was 41 knots or more (strong gale) during the year

Although these data were published for the years 1900 to 1904 in the *Annual Report of the Meteorological Council,* they were first tabulated in the *Monthly Weather Report* in 1905, but from 1908 to 1913 they were given as an appendix to the *Weekly Weather Report.* The table was transferred again to the *Monthly Weather Report* in 1914 as Table XIV and it became Table XIII in 1919; the table was called Table XI from 1952 and it was renumbered Table 9 in 1971.

All recorded occasions are included and, from 1971, there has also been a note of any period of missing or defective data during which it is considered that the criterion may have been met.

Table 10 Highest and lowest maximum and minimum temperatures during the year at each station

This table is published in the Annual Summary and dates from 1913 when, as Table 1, it gave the temperature and date of the coldest day (lowest maximum temperature) and warmest night (highest minimum temperature) in the year at as many stations as possible. In 1914 it became Table V and contained, in addition to the above data, similar details of the coldest night (lowest minimum temperature) and warmest day (highest maximum temperature) in the year. In 1969 the table assumed its present title and in 1971 it was renumbered as Table 10.

For those stations at which extreme temperatures are read at both 09 and 21 h the temperatures quoted are night minima and day maxima (see air temperature notes on Table 3).

Table 11 Number of days on which the duration of sunshine was between given limits in each month.

Published in the Annual Summary, this table dates from 1913 when, as Table II, monthly and annual frequencies were given for about 20 stations. In 1914 the table became Table VI and in 1949 the annual frequencies were discontinued. The table was renumbered Table 11 in 1971.

Table 12 Number of days with rainfall between given limits during the year

This table, which gives yearly data only, has appeared in the Annual Summary since 1914. At first it was headed Table IX, it became Table VIII in 1916 and Table VII in 1952; it was renumbered Table 12 in 1971. The stations selected for this table numbered around 20 up to 1955, since when the number has been about 30.

Quality control of data

Prior to the compilation of the summaries which appear in the tables, the data are subjected to critical scrutiny to detect and eliminate as far as possible errors arising from misreading of instruments and miscopying. Computer methods are used to detect those values which, on meteorological grounds, appear suspect. Human scrutiny then determines whether the data are, in fact, erroneous and corrective action is taken in consultation with the observers concerned. The great advantage of computer scrutiny is that all data can be subjected quickly to a common level of checking which was not attainable with conventional 'hand and eye' methods. All the tables are prepared by computer after corrections have been incorporated.

Stations completing climatological returns

This section contains a complete list of stations, together with their respective locations and authorities, which send monthly climatological returns to the Meteorological Office and whose data are published in the *Monthly Weather Report;* the names of stations whose data are not published in the current report are printed in italics. The last complete list appeared in 1975.

In the tables of the *Monthly Weather Report* the stations are set out under local government administrative areas within climatological districts (see the frontispiece), but in the following list they are given in alphabetical order. A number of stations have, in addition to a name for climatological purposes, a designated 'official' name for use in their role as synoptic reporting stations; where considered necessary, the 'official' name, in capital letters, is included also. The date given in the column headed 'First published in MWR' refers to the year when any data first appeared in the *Monthly Weather Report,* unless a break in publication extended to five consecutive years or more, in which case the year given is that of the reappearance of data.Some long-established stations, particularly those which existed before the *Monthly Weather Report* began, may have earlier data published elsewhere. In the column headed 'Type', the stations are classified according to the following plan:

M Meteorological Offices staffed by professional meteorologists.

X. Stations whose observations are used primarily in weather forecasting and are manned by non-Meteorological Office staff.

C. Climatological stations co-operating voluntarily with the Meteorological Office, most of which make one observation daily at 09 GMT.

A. Agricultural meteorological stations, which are climatological stations with agricultural interest. Most participate in a scheme inaugurated by the Ministry of Agriculture, Fisheries and Food, and the Department of Agriculture for Scotland in co-operation with the Meteorological Office.

H. Health resort stations, which are climatological stations participating in a scheme whereby information is sent daily to the Meteorological Office for communication to the Press.

D. Stations equipped with data recording instruments only.

Station(Region/County)	Type	First published in MWR	Lat.	Long.	Grid Reference	Authority
Abbotsinch. GLASGOW AIRPORT (Strathclyde)	M	1966	55 52N	04 26W	NS-480667	Meteorological Office
Aber (Gwynedd)	A	1925	53 14N	04 01W	SH-650728	College Farm
Aberdare Filter Station (Mid Glamorgan)	C	1978	51 43N	03 27W	SN-999022	Welsh National Water Development Authority
Aberdeen, Mannofield (Grampian)	C	1884	57 08N	02 08W	NJ-915042	Grampian Regional Council
Aberdeen University (Grampian)	D	1977	57 10N	02 05W	NJ-925084	University of Aberdeen
Aberfoyle (Central)	C	1969	56 10N	04 23W	NN-526007	Forestry Commission
Aberporth (Dyfed)	M	1942	52 08N	04 34W	SN-242521	Meteorological Office
Aberporth R.A.E. (Dyfed)	M	1971	52 08N	04 34W	SN-239520	Meteorological Office
Aberystwyth (Dyfed)	H	1904	52 25N	04 04W	SN-580815	Cardigan District Council
Achaglachgach (Strathclyde)	C	1959	55 45N	05 31W	NR-813643	Forestry Commission
Achany (Highland)	C	1977	57 58N	04 27W	NC-566017	North of Scotland College of Agriculture
Achnagoichan (Highland)	C	1961	57 09N	03 48W	NH-913082	Nature Conservancy Council
Achnashellach (Highland)	C	1923	57 29N	05 16W	NH-038492	Forestry Commission
Aghanloo (Londonderry)	C	1973	55 04N	06 57W	IC-673256	Hoechst Fibre Industries
Aigburth (Merseyside)	C	1968	53 22N	02 55W	SJ-384852	Liverpool Education Committee
Aldenham School (Hertfordshire)	C	1965	51 40N	00 20W	TQ-157972	Aldenham School
Aldergrove. BELFAST/ALDERGROVE AIRPORT (Antrim)	M	1927	54 39N	06 13W	IJ-147798	Meteorological Office
Alderney (Channel Isles)	C	1958	49 42N	02 13W	WA-564065	States of Alderney
Aldroughty (Grampian)	C	Not Publ.	57 39N	03 23W	NJ-178625	North of Scotland College of Agriculture
Alice Holt Lodge (Hampshire)	A	1950	51 11N	00 51W	SU-804430	Forestry Commission
Altaveedan (Tyrone)	C	1977	54 21N	07 15W	IH-487451	Department of the Environment
Altnahinch (Antrim)	C	1966	55 03N	06 15W	ID-117236	Ballymoney Rural District Council
Alwen (Clwyd)	C	1958	53 04N	03 33W	SH-956528	N.W. Water Authority
Andersonstown (Belfast)	C	1977	54 34N	05 58W	IJ-296722	Mr. M. Cafolla
Arbroath (Tayside)	C	1914	56 33N	02 35W	NO-649411	Angus District Council
Ardnamurchan (Highland)	X	Not Publ.	56 44N	06 13W	NM-416675	Northern Lighthouse Board
Ardrossan (Strathclyde)	X	1971	55 39N	04 49W	NS-226423	Ardrossan Harbour Company
Ardtalnaig (Tayside)	C	1959	56 32N	04 07W	NN-702394	Mr. M. K. Browne
Armagh (Armagh)	C	1884	54 21N	06 39W	IH-878458	Armagh Observatory
Aros (Strathclyde)	C	1967	56 32N	05 59W	NM-553453	Forestry Commission
Arrochymore (Central)	C	1972	56 06N	04 33W	NS-415918	Clyde River Purification Board
Ashover (Derbyshire)	C	1967	53 09N	01 28W	SK-349629	Mr. H. Martin
Askham Bryan (North Yorkshire)	A	1936	53 57N	01 05W	SE-552475	Institute of Agriculture
Astwood Bank (Hereford & Worcester)	C	1977	52 15N	01 56W	SP-045611	Mr. D. Payne
Auchen Castle (Dumfries & Galloway)	C	1972	55 20N	03 29W	NT-061049	Forestry Commission
Auchincruive (Strathclyde)	A	1932	55 29N	04 34W	NS-389236	West of Scotland Agricultural College
Audley End (Essex)	C	Not Publ.	52 01N	00 13E	TL-525384	Anglian Water Authority
Avonmouth (Avon)	D	1953	51 30N	02 43W	ST-505787	Port of Bristol Authority
Aylesbury (Buckinghamshire)	A	1945	51 47N	00 47W	SP-842114	County Education Committee
Bala (Gwynedd)	C	1971	52 54N	03 35W	SH-936356	Welsh National Water Development Authority
Ballylumford (Antrim)	C	1968	54 51N	05 47W	ID-424017	N.I. Electricity Service
Ballypatrick Forest (Antrim)	C	1962	55 10N	06 09W	ID-176387	N.I. Ministry of Agriculture
Ballywalter Park (Down)	C	1971	54 32N	05 30W	IJ-623681	Lord Dumleath
Ballywatticock (Down)	C	1974	54 34N	05 41W	IJ-516719	Mr. D. Crowe
Balmacara (Highland)	C	1953	57 17N	05 39W	NG-800276	Highland Regional Council
Balmoral (Grampian)	C	1906	57 02N	03 12W	NO-260946	Balmoral Estate
Baltasound (Shetland)	C	1907	60 46N	00 53W	HP-607089	Mr. S. S. S. Polson
Banagher, Caugh Hill (Londonderry)	C	1970	54 53N	06 58W	IC-663047	Department of the Environment
Banchory (Grampian)	C	1968	57 03N	02 30W	NO-700957	Mr. L. E. Bromfield
Banff (Grampian)	C	1914	57 40N	02 31W	NJ-689647	Grampian Regional Council
Bangor, Seacourt (Down)	C	1976	54 39N	05 38W	IJ-497825	S.E. Education & Library Board
Bardsey Island (Gwynedd)	X	1961	52 45N	04 48W	SH-111206	Trinity House
Bargrennan (Dumfires & Galloway)	C	1959	55 04N	04 34W	NX-361789	Forestry Commission
Barr (Strathclyde)	C	1959	55 13N	04 43W	NX-286941	Forestry Commission
Bastreet (Cornwall)	X	1971	50 33N	04 29W	SX-245765	S.W. Water Authority

Station(Region/County)	Type	First published in MWR	Lat.	Long.	Grid Reference	Authority
Bath (Avon)	C	1901	51 22N	02 22W	ST-751638	Beechen Cliff School
Bedford R.A.E. (Bedfordshire)	M	1964	52 13N	00 29W	TL-049597	Meteorological Office
Belfast Harbour (Antrim)	D	1967	54 38N	05 53W	IJ-363777	Harbour Commissioners
Belfast, Malone (Antrim)	C	1968	54 33N	05 58W	IJ-315691	Queen's University
Belfast, Milltown (Down)	C	1973	54 32N	05 56W	IJ-332687	Mr. L. J. A. McDowell
Belfast, Rosebank (Down)	C	1971	54 35N	05 52W	IJ-379718	N.I. Electricity Service
Belliston (Fife)	C	1974	56 14N	02 48W	NO-500055	Mr. J. M. Roger
Bell Rock (Tayside)	X	1930	56 26N	02 24W	NO-763272	Northern Lighthouse Board
Benbecula (Western Isles)	M	1943	57 28N	07 22W	NF-782555	Meteorological Office
Benmore, Younger Botanic Garden (Strathclyde)	C	1936	56 01N	04 59W	NS-141856	Department of the Environment
Benson (Oxfordshire)	M	1974	51 37N	01 05W	SU-633909	Meteorological Office
Betws-y-Coed (Gwynedd)	C	1977	53 06N	03 47W	SH-803572	Drapers Field Centre
Bexhill (East Sussex)	C	1908	50 50N	00 28E	TQ-737072	Southern Water Authority
Bidston (Merseyside)	C	1977	53 24N	03 04W	SJ-287898	Institute of Oceanographic Sciences
Binbrook (Lincolnshire)	M	1964	53 27N	00 12W	TF-195958	Meteorological Office
Birmingham, King Edward's School (West Midlands)	C	1960	52 27N	01 55W	SP-052835	King Edward's School
Blackburn Sewage Works (Lothian)	C	1975	55 53N	03 35W	NT-005653	Forth River Purification Board
Blackwall (Greater London)	X	Not Publ.	51 31N	00 01E	TQ-394807	Trinity House
Blairgowrie (Tayside)	C	1961	56 31N	03 21W	NO-175438	Perth & Kinross District Council
Blairvadach (Strathclyde)	C	Not Publ.	56 01N	04 47W	NS-260852	Sailing & Outdoor Centre
Blyth (Northumberland)	D	1976	55 08N	01 30W	NZ-316822	Alcan Ltd
Blyth Bridge (Borders)	A	1958	55 42N	03 22W	NT-141463	Agricultural Research Council
Blythe (Borders)	C	1974	55 45N	02 40W	NT-585495	Mr. J. Logan McDougal
Bognor Regis (West Sussex)	H	1939	50 47N	00 41W	SZ-934989	Arun District Council
Bolton (Greater Manchester)	C	1968	53 35N	02 27W	SD-724115	Bolton Metropolitan Borough
Bonchester Bridge (Borders)	C	1977	55 24N	02 39W	NT-587115	Forestry Commission
Boscombe Down (Wiltshire)	M	1931	51 10N	01 45W	SU-172403	Meteorological Office
Botwnnog (Gwynedd)	C	1961	52 51N	04 34W	SH-263313	Ysgol Botwnnog
Boulmer (Northumberland)	M	1976	55 25N	01 36W	NU-253142	Meteorological Office
Bournemouth, Meyrick Park (Dorset)	H	1902	50 43N	01 53W	SZ-071917	County Borough Council
Bournemouth, Dorset Tech. College (Dorset)	H	Not Publ.	50 43N	01 53W	SZ-076936	County Borough Council
Bowhill (Borders)	C	1952	55 32N	02 54W	NT-428278	Buccleuch Estates Ltd
Boxworth (Cambridgeshire)	A	1952	52 15N	00 01W	TL-346640	Experimental Husbandry Farm
Bradford (West Yorkshire)	C	1908	53 49N	01 46W	SE-149352	Bradford Metropolitan District Council
Braemar (Grampian)	C	1887	57 00N	03 24W	NO-152914	Mr. J.C. Donaldson
Bramham (West Yorkshire)	A	1954	53 52N	01 20W	SE-431412	Leeds University
Brawdy (Dyfed)	M	1974	51 52N	05 08W	SM-851248	Meteorological Office
Bridgend (South Glamorgan)	C	1975	51 30N	03 33W	SS-919796	Welsh National Water Development Authority
Bridlington (Humberside)	H	1954	54 06N	00 12W	TA-175689	Yorkshire Water Authority
Brighton (East Sussex)	H	1948	50 49N	00 08W	TQ-313040	Brighton Borough Council
Brighton Marina (East Sussex)	C	Not Publ.	50 49N	00 06W	TQ-334033	Lewis & Duvivier
Brize Norton (Oxfordshire)	M	1968	51 45N	01 35W	SP-292067	Meteorological Office
Broadwell (Warwickshire)	C	Not Publ.	52 18N	01 19W	SP-457659	Mr G. H. Thompson
Brodick Castle (Strathclyde)	C	1966	55 36N	05 09W	NS-013377	National Trust
Bromley (Greater London)	C	1927	51 24N	00 01E	TQ-399693	Borough Council
Brooms Barn (Suffolk)	A	1965	52 16N	00 34E	TL-753657	Lawes Agricultural Trust
Brynamman (Dyfed)	X	1970	51 49N	03 52W	SN-718143	Mr. D. G. Morgan
Bude (Cornwall)	C	1913	50 50N	04 33W	SS-208063	Bude-Stratton Town Council
Bugbrooke Mills (Northamptonshire)	C	1963	52 13N	01 00W	SP-681586	Anglian Water Authority
Burghfield (Berkshire)	D	Not Publ.	51 25N	01 01W	SU-686683	Royal Ordnance Factory
Burrington (Devon)	X	1978	50 56N	03 59W	SS-606168	Civil Aviation Authority
Bush House (Lothian)	A	1954	55 51N	03 12W	NT-244636	Edinburgh & East of Scotland College of Agriculture
Butser, Hillhampton (Hampshire)	C	Not Publ.	50 58N	00 59W	SU-717187	Butser Ancient Farm Project
Buxton (Derbyshire)	C	1907	53 15N	01 55W	SK-059735	Borough of High Peak
Bwlchgwyn (Clwyd)	C	1950	53 04N	03 08W	SJ-236520	Wrexham & E. Denbigh Water Co.
Cairngorm (Highland)	C	1964	57 08N	03 39W	NJ-005049	Cairngorm Sports Development Ltd
Caistor (Lincolnshire)	C	1965	53 29N	00 22W	TA-082019	Cherry Valley Farms Ltd
Caldecott (Leicestershire)	C	1958	52 31N	00 44W	SP-865932	Corby & District Water Co.
Callander (Central)	C	1967	56 15N	04 12W	NN-634080	Town Council

Station(Region/County)	Type	First published in MWR	Lat.	Long.	Grid Reference	Authority
Calshot (Hampshire)	X	1920	50 49N	01 18W	SU-486018	Southampton Harbour Board
Cambridge, Botanic Garden (Cambridgeshire)	C	1884	52 12N	00 08E	TL-456572	University Botanic Garden
Cambridge, National Institute of Agricultural Botany (Cambridgeshire)	A	1952	52 13N	00 06E	TL-434604	National Inst. of Agric. Botany
Camp's Reservoir (Strathclyde)	C	1964	55 29N	03 35W	NS-997226	Strathclyde Regional Council
Cannington (Somerset)	A	1929	51 09N	03 04W	ST-255399	Somerset College of Agriculture & Horticulture
Cape Wrath (Highland)	X	1941	58 37N	05 00W	NC-259747	Northern Lighthouse Board
Cardiff (Bute Park) (South Glamorgan)	C	1978	51 29N	03 19W	ST-176773	City of Cardiff
Cardington (Bedfordshire)	M	1929	52 06N	00 25W	TL-081464	Meteorological Office
Carlisle (Cumbria)	M	1961	54 56N	02 57W	NY-384603	Meteorological Office
Carmarthen (Dyfed)	A	1963	51 51N	04 18W	SN-413183	County Education Committee
Carmoney (Londonderry)	X	1975	55 01N	07 14W	IC-503197	Department of the Environment
Carnlough (Antrim)	C	1976	54 54N	05 57W	ID-285170	Belfast Education & Library Board
Carnoustie (Tayside)	C	1951	56 30N	02 43W	NO-558244	Angus District Council
Carnwath (Strathclyde)	C	1953	55 42N	03 38W	NS-974464	Lee & Carnwath Estates
Carrigans (Tyrone)	X	1964	54 40N	07 19W	IH-435810	Mr R. J. McConnell
Cartmel (Cumbria)	C	1970	54 11N	02 57W	SD-381783	Rev. Canon M. D. Grieve
Cassley (Highland)	C	1977	58 10N	04 44W	NC-396232	North of Scotland Hydro-Electric Board
Castle Archdale Forest (Fermanagh)	C	1964	54 28N	07 42W	IH-189593	Grassland Experimental Centre
Cavendish (Suffolk)	C	1978	52 05N	00 38E	TL-801468	Mr. M. G. J. Pizzey
Cawood (North Yorkshire)	A	1953	53 50N	01 08W	SE-561366	Experimental Horticultural Station
Cellarhead (Staffordshire)	X	1978	53 02N	02 05W	SJ-944494	Central Electricity Generating Board
Cenarth (Powys)	X	1976	52 32N	03 32W	SN-957772	Mr. T. I. Evans
Chatham South (Kent)	C	Not Publ.	51 22N	00 31E	TQ-757659	Chatham South Secondary School
Chawleigh (Devon)	X	1978	50 54N	03 49W	SS-727123	Mr. M. L. H. Sampson
Cheltenham (Gloucestershire)	C	1962	51 54N	02 03W	SO-946218	Borough Council
Chopwellwood (Tyne & Wear)	C	1911	54 55N	01 47W	NZ-136580	Forestry Commission
Christchurch (Dorset)	C	1958	50 44N	01 47W	SZ-155937	West Hants Water Co.
Cilfynydd (Mid Glamorgan)	X	1974	51 38N	03 18W	ST-099939	Central Electricity Generating Board
Clacton-on-Sea (Essex)	H	1902	51 47N	01 09F	TM-172143	Tendring District Council
Clashnoir (Grampian)	C	1977	57 17N	03 17W	NJ-225220	North of Scotland College of Agriculture
Clatteringshaws (Dumfries & Galloway)	C	1964	55 05N	04 16W	NX-554780	South of Scotland Electricity Board
Cleethorpes (Humberside)	H	1925	53 33N	00 01W	TA-314081	Cleethorpes District Council
Coatbridge (Strathclyde)	C	1952	55 21N	04 03W	NS-714643	Strathclyde Regional Council
Cockle Park (Northumberland)	A	1898	55 13N	01 41W	NZ-200912	King's College
Coleraine University (Londonderry)	A	1970	55 09N	06 41W	IC-843349	The New University of Ulster
Colonsay (Strathclyde)	C	1935	56 05N	06 11W	NR-383959	Rt. Hon. Lord Strathcona
Coltishall (Norfolk)	M	1964	52 46N	01 21E	TG-262229	Meteorological Office
Colwyn Bay (Clwyd)	H	1897	53 17N	03 43W	SH-861787	Borough Council
Coningsby (Lincolnshire)	M	1970	53 05N	00 10W	TF-224568	Meteorological Office
Cookstown (Tyrone)	A	1963	54 34N	06 45W	IH-816748	Loughry Agricultural College
Coolkeeragh (Londonderry)	C	1971	55 03N	07 15W	IC-479838	N.I. Electricity Service
Corgary (Fermanagh)	X	1973	54 26N	08 03W	IG-965546	Mr. P. J. Maguire
Corpach (Highland)	C	1968	56 50N	05 09W	NN-080764	Scottish Pulp & Paper Mills
Corwen (Clwyd)	A	1959	52 57N	03 25W	SJ-048399	Agricultural Research Council
Coulport (Strathclyde)	C	Not Publ.	56 03N	04 52W	NS-212889	R.N. Naval Ordnance
Coventry Airport (West Midlands)	C	1976	52 22N	01 29W	SP-348743	City Council
Craibstone (Grampian)	A	1925	57 11N	02 12W	NJ-872107	North of Scotland College of Agriculture
Craigdarroch (Highland)	C	1973	57 35N	04 36W	NH-442572	Mr. J. D. R. Hendry
Craighouse (Strathclyde)	C	1978	55 50N	05 57W	NR-527680	Small Isles School
Cranwell (Lincolnshire)	M	1920	53 02N	00 30W	TF-003494	Meteorological Office
Crawfordjohn (Strathclyde)	X	1967	55 30N	03 46W	NS-879239	Capt. J. Ross
Crewkerne (Somerset)	C	1977	50 53N	02 47W	ST-448103	Wadham School
Cromer (Norfolk)	H	1902	52 56N	01 17E	TG-208422	North Norfolk District Council
Crumbland (Gwent)	A	1958	51 43N	02 46W	SO-474024	Forestry Commission
Culdrose (Cornwall)	M	1961	50 05N	05 15W	SW-669264	Naval Weather Service
Culterty (Grampian)	C	1976	57 19N	02 00W	NJ-999261	Aberdeen University
Cumnock (Strathclyde)	C	1974	57 27N	04 16W	NS-563200	The Academy, Cumnock

Station(Region/County)	Type	First published in MWR	Lat.	Long.	Grid Reference	Authority
Cupar (Fife)	C	1975	56 19N	03 02W	NO-363144	Elmwood Agricultural College
Cwmystradllyn (Gwynedd)	C	1976	52 59N	04 09W	SH-557442	Welsh National Water Development Authority
Cwmystwyth (Dyfed)	A	1960	52 10N	03 42W	SN-773745	Experimental Husbandry Farm
Dalcross. INVERNESS/DALCROSS (Highland)	M	1968	57 32N	04 03W	NH-766520	Meteorological Office
Dale Fort (Dyfed)	C	1952	51 42N	05 09W	SM-823052	Field Studies Council
Dall (Tayside)	C	1962	56 41N	04 18W	NN-593562	Rannoch School
Dalwhinnie (Highland)	C	1974	56 56N	04 14W	NN-639855	N.E. River Purification Board
Derby (Derbyshire)	C	1956	52 56N	01 28W	SK-359367	City Council
Derrynoyd Forest (Londonderry)	C	1962	54 47N	06 48W	IH-770956	Forestry Division
Diabaig (Highland)	C	1977	57 35N	05 41W	NG-794603	Highland River Purification Board
Dinnet (Grampian)	A	1963	57 07N	02 55W	NJ-446025	North of Scotland College of Agriculture
Divis Mountain (Antrim)	C	1976	54 36N	06 00W	IJ-287751	Queen's University
Douglas (Isle of Man)	H	1884	54 10N	04 29W	SC-382776	Borough Council
Dounreay (Highland)	C	1959	58 35N	03 44W	NC-990670	U.K. Atomic Energy Authority
Dover (Kent)	D	1884	51 07N	01 19E	TR-320410	Dover District Council
Dover R.M.S. (Kent)	C	1976	51 07N	01 19E	TR-327439	Royal Military School
Downpatrick (Down)	C	1969	54 19N	05 43W	IJ-489443	La Salle Community
Downside Abbey (Somerset)	C	1972	51 15N	02 30W	ST-656508	Downside Abbey
Drummond Castle (Tayside)	C	1971	56 20N	03 53W	NN-841177	Drummond Castle Estates
Drungans (Dumfries & Galloway)	X	Not Publ.	55 03N	03 39W	NX-949750	Imperial Chemical Industries Ltd
Duirinish (Highland)	D	1960	57 19N	05 41W	NG-776315	British Transport Commission
Dumfries (Dumfries & Galloway)	C	1906	55 04N	03 36W	NX-982747	West of Scotland Agricultural College
Dunbar (Lothian)	H	1930	56 00N	02 31W	NT-672791	East Lothian District Council
Dundee (Tayside)	C	1907	56 28N	02 56W	NO-422313	College of Education
Dundeugh (Dumfries & Galloway)	C	1959	55 10N	04 12W	NX-598879	Forestry Commission
Dungeness (Kent)	X	1956	50 55N	00 58E	TR-090168	Trinity House
Dunstaffnage (Strathclyde)	C	1972	56 27N	05 26W	NM-881340	Scottish Marine Biological Association
Durham (Durham)	C	1884	54 46N	01 35W	NZ-267416	Durham University
Dyce. ABERDEEN/DYCE (Grampian)	M	1943	57 12N	02 12W	NJ-883125	Meteorological Office
Earls Hill (Central)	X	1963	56 04N	04 03W	NS-725882	Decca Navigation
East Bergholt (Suffolk)	C	1954	51 57N	01 02E	TM-077333	Field Studies Council
Eastbourne (East Sussex)	H	1891	50 46N	00 17E	TV-611980	Borough Council
Easthampstead (Berkshire)	C	1971	51 23N	00 47W	SU-846665	Meteorological Office
East Hoathly (East Sussex)	X	1964	50 55N	00 10E	TQ-512147	Decca Navigation
East Kilbride (Strathclyde)	C	1971	55 45N	04 10W	NS-638535	Department of the Environment
East Malling (Kent)	A	1925	51 17N	00 27E	TQ-708570	Research Station
Edenbridge (Kent)	C	1978	51 12N	00 08E	TQ-492472	East Surrey Water Company
Edgbaston. BIRMINGHAM/EDGBASTON (West Midlands)	X	1900	52 28N	01 56W	SP-046864	Birmingham University
Edinburgh (Lothian)						
Royal Observatory, Blackford Hill	C	1914	55 55N	03 11W	NT-258706	Astronomer Royal for Scotland
East Craigs	A	1959	55 57N	03 19W	NT-183735	Department of Agriculture & Fisheries
Royal Botanic Garden	C	1940	55 58N	03 12W	NT-245755	Department of the Environment
Elgin (Grampian)	C	1953	57 39N	03 17W	NJ-229630	Grampian Regional Council
Elmdon. BIRMINGHAM AIRPORT (West Midlands)	M	1950	52 27N	01 44W	SP-176839	Meteorological Office
Elmstone (Kent)	C	1959	51 17N	01 10E	TR-264606	Mr. J. B. Henderson
Enfield (Greater London)	C	1973	51 39N	00 03W	TQ-352959	Middlesex Polytechnic
Eskdalemuir (Dumfries & Galloway)	M	1910	55 19N	03 12W	NT-235026	Meteorological Office
Everton (Hampshire)	A	1955	50 44N	01 34W	SZ-302937	Experimental Horticultural Station
Exeter. EXETER AIRPORT (Devon)	M	1946	50 44N	03 25W	SY-001933	Meteorological Office
Exmouth (Devon)	H	1913	50 37N	03 24W	SY-015813	East Devon District Council
Exton (Somerset)	X	1974	51 06N	03 29W	SS-962338	Mr. G. Toze
Fair Isle (Shetland)	X	1975	59 32N	01 38W	HZ-210712	Mr. D. Wheeler
Falkirk (Central)	C	1967	56 01N	03 46W	NS-902820	Central Regional Council
Falmouth (Cornwall)	H	1884	50 09N	05 05W	SW-802325	Carrick District Council
Farnborough R.A.E. (Hampshire)	M	1970	51 17N	00 45W	SU-857541	Meteorological Office
Faskally (Tayside)	C	1955	56 43N	03 46W	NN-918599	Department of Agriculture & Fisheries
Faversham (Kent)	A	1959	51 17N	00 52E	TR-007593	National Fruit Trials

Station(Region/County)	Type	First published in MWR	Lat.	Long.	Grid Reference	Authority
Fernhurst (West Sussex)	A	1952	51 02N	00 42W	SU-908267	Plant Protection Ltd
Filton. BRISTOL/FILTON (Avon)	M	1950	51 31N	02 35W	ST-600805	Meteorological Office
Finningley (South Yorkshire)	M	1943	53 29N	01 00W	SK-659989	Meteorological Office
Fleetwood (Lancashire)	X	1923	53 56N	03 01W	SD-333482	Wyre Borough Council
Floors Castle (Borders)	C	1976	55 36N	02 28W	NT-707345	Roxburghe Estates
Folkestone (Kent)	H	1905	51 05N	01 10E	TR-214369	Shepway District Council
Forden (Powys)	C	Not Publ.	52 36N	03 09W	SJ-220005	Mr E. G. Carswell
Forehill (Grampian)	C	1977	57 30N	01 50W	NK-095463	Grampian Regional Council
Forres (Grampian)	C	1933	57 37N	03 36W	NJ-047587	Grampian Regional Council
Fort Augustus (Highland)	C	1887	57 08N	04 40W	NH-381091	The Abbey
Fort Augustus Hydro-Electric Board FORT AUGUSTUS NSHEB (Highland)	D	1966	57 08N	04 43W	NH-356085	North of Scotland Hydro-Electric Board
Forth Road Bridge (Lothian)	D	1967	56 00N	03 24W	NT-125796	Forth Road Bridge Joint Board
Fortrose (Highland)	C	1911	57 35N	04 05W	NH-749557	Ross & Cromarty District Council
Fowey (Cornwall)	C	1910	50 20N	04 38W	SX-121520	Borough of Restormel
Fraserburgh (Grampian)	X	1968	57 42N	02 00W	NJ-998675	Northern Lighthouse Board
Fyvie Castle (Grampian)	C	1959	57 27N	02 23W	NJ-766392	Sir Ian Forbes-Leith, Bart
Galashiels (Borders)	C	1968	55 37N	02 49W	NT-479367	Borders Regional Council
Garston (Hertfordshire)	C	1954	51 42N	00 23W	TL-123017	Department of the Environment
Gartley (Grampian)	C	1969	57 22N	02 48W	NJ-523323	Forestry Commission
Garvagh Forest (Londonderry)	C	1962	54 58N	06 41W	IC-836159	Forestry Division
Gatwick. LONDON/GATWICK AIRPORT (West Sussex)	M	1959	51 09N	00 11W	TQ-265407	Meteorological Office
Geisgeil (Highland)	C	1978	58 19N	05 08W	NC-170410	Highland River Purification Board
Gillingham (Kent)	C	1956	51 24N	00 34E	TQ-785693	Borough Council
Girdstingwood (Dumfries & Galloway)	C	1971	54 48N	03 57W	NX-742469	King Barracks
Girvan (Strathclyde)	C	1969	55 15N	04 51W	NX-184979	Strathclyde Regional Council
Glasgow, Springburn (Strathclyde)	C	1914	55 53N	04 14W	NS-608686	Glasgow District Council
Glasgow Weather Centre (Strathclyde)	M	1976	55 52N	04 16W	NS-584653	Meteorological Office
Glenbranter (Strathclyde)	C	1926	56 08N	05 02W	NS-113978	Forestry Commission
Glenlee (Dumfries & Galloway)	C	1887	55 06N	04 11W	NX-606805	South of Scotland Electricity Board
Glenlivet (Grampian)	X	1965	57 21N	03 21W	NJ-188303	Mr. J. Williams
Glenlochar Barrage (Dumfries & Galloway)	C	1954	54 58N	03 59W	NX-732646	South of Scotland Electricity Board
Glenmore Lodge (Highland)	X	1952	57 10N	03 42W	NH-986095	Centre for Outdoor Training
Glenrothes (Fife)	C	1972	56 12N	03 13W	NO-250011	Glenwood High School
Glentress (Borders)	C	1960	55 39N	03 08W	NT-283397	Forestry Commission
Gogerddan (Dyfed)	A	1956	52 26N	04 01W	SN-627836	Plant Breeding Station
Gorleston (Norfolk)	X	1915	52 35N	01 43W	TG-534037	Department of Trade & Industry
Goudhurst (Kent)	C	1935	51 04N	00 27E	TQ-722333	Forestry Commission
Grafham Water (Cambridgeshire)	D	1978	52 17N	00 19W	TL-155665	Anglian Water Authority
Grangemouth (Central)	C	1967	56 01N	03 43W	NS-929819	Central Regional Council
Grangemouth Refinery (Central)	C	1971	56 01N	03 42W	NS-943813	British Petroleum
Grantown-on-Spey (Highland)	C	1958	57 20N	03 36W	NJ-039285	Badenoch & Strathspey District Council
Great Dun Fell (Cumbria)	X	1960	54 41N	02 27W	NY-710322	Civil Aviation Authority
Greenmount (Antrim)	A	1964	54 41N	06 13W	IJ-152847	Agricultural College
Greenock (Strathclyde)	C	1915	55 56N	04 46W	NS-274757	Strathclyde Regional Council
Greenock Port (Strathclyde)	D	1973	55 57N	04 46W	NS-275773	Clyde Port Authority
Greenwich (Greater London)	C	1907	51 29N	00 00W	TQ-387776	National Maritime Museum
Grendon Underwood (Buckinghamshire)	C	1963	51 54N	01 01W	SP-678215	Institute of Hydrology
Greycrook (Borders)	C	1974	55 34N	02 38W	NT-599305	East of Scotland Agricultural College
Grizedale (Cumbria)	C	1961	54 21N	03 01W	SD-337941	Forestry Commission
Guernsey (Channel Isles) Airport	M	1950	49 26N	02 36W	WV-296760	States Airport
L'Ancresse	H	1967	49 29N	02 32W	WV-337829	States Tourist Committee
Gulval (Cornwall)	A	1925	50 08N	05 32W	SW-486317	Sutton & Sons Ltd
Gwennap Head (Cornwall)	X	1972	50 02N	05 40W	SW-365217	Department of Trade & Industry
Haddington (Lothian)	C	1957	55 57N	02 47 W	NT-513736	East Lothian District Council

Station(Region/County)	Type	First published in MWR	Lat.	Long.	Grid Reference	Authority
Hadlow College (Kent)	A	1968	51 13N	00 20E	TQ-628497	College of Agriculture & Horticulture
Halstead (Essex)	C	1977	51 57N	00 39E	TL-819309	The Ramsey School
Hampstead (Greater London)	C	1910	51 34N	00 11W	TQ-262863	Mr. R. A. Tyssen-Gee
Hampton (Greater London)	C	1951	51 25N	00 22W	TQ-132694	Thames Water Authority
Hampton Loade (Salop)	C	1977	52 29N	02 22W	SO-752869	Severn-Trent Water Authority
Harlow (Essex)	C	1965	51 46N	00 08E	TL-470101	Standard Telecommunication Labs.
Harrogate (North Yorkshire)	C	Not Publ.	54 01N	01 33W	SE-303579	Yorkshire Water Authority
Harrow Weald (Greater London)	C	1976	51 37N	00 20W	TQ-153920	Borough Council
Hartburn Grange (Cleveland)	C	1970	54 34N	01 22W	NZ-407185	B.T.P. Tioxide Ltd
Hartland Point (Devon)	X	1938	51 01N	04 32W	SS-231277	Department of Trade & Industry
Hartlepool (Cleveland)	C	1952	54 41N	01 12W	NZ-510327	Mr. H. Lamb
Hastings (East Sussex)	H	1935	50 51N	00 34E	TQ-809094	Hastings Borough Council
Haughley (Suffolk)	A	1975	52 14N	00 58E	TM-041640	Haughley Research Farms Ltd
Hawarden Bridge (Clwyd)	C	1901	53 12N	03 01W	SJ-314694	British Steel Corporation
Hawkridge (Somerset)	A	1959	51 05N	03 36W	SS-877327	Experimental Husbandry Farm
Haydon Bridge (Northumberland)	C	1956	54 58N	02 15W	NY-838646	County Technical School
Hayling Island (Hampshire)	H	1956	50 47N	00 59W	SZ-716988	Borough of Havant
Hazelrigg (Lancashire)	C	1977	54 01N	02 47W	SD-493578	Lancaster University
Heaste (Highland)	C	1975	57 11N	05 54W	NG-647178	Mrs. E. N. Waugh
Heathrow, LONDON/HEATHROW AIRPORT (Greater London)	M	1948	51 29N	00 27W	TQ-077767	Meteorological Office
Helens Bay (Down)	C	1964	54 40N	05 45W	IJ-453825	Mr. T. D. Boyd
Helensburgh (Strathclyde)	C	1915	56 01N	04 43W	NS-303837	Strathclyde Regional Council
Helmshore (Lancashire)	A	1953	53 41N	02 20W	SD-774205	Experimental Husbandry Farm
Herne Bay (Kent)	H	1939	51 22N	01 10E	TR-209673	Southern Water Authority
Herstmonceux (East Sussex)	M	1977	50 52N	00 20E	TQ-645099	Meteorological Office
High Bradfield (South Yorkshire)	D	1978	53 26N	01 35W	SK-278930	Sheffield University
High Mowthorpe (North Yorkshire)	A	1952	54 06N	00 38W	SE-888685	Experimental Husbandry Farm
Hillsborough (Down)	A	1931	54 27N	06 04W	IJ-251577	Agricultural Research Institute
Hoddesdon (Hertfordshire)	A	1960	51 46N	00 01W	TL-369106	Experimental Horticultural Station
Honington (Suffolk)	M	1970	52 20N	00 46E	TL-887749	Meteorological Office
Hope (Powys)	C	1978	52 40N	03 07W	SJ-249077	Mr. E. G. Carswell
Huddersfield, Oakes (West Yorkshire)	X	1926	53 39N	01 50W	SE-113177	Mr. S. Morris Bower
Hull (Humberside)	C	1907	53 45N	00 16W	TA-084302	Kingston-upon-Hull District Council
Hunterston (Strathclyde)	C	1967	55 43N	04 54W	NS-180515	South of Scotland Electricity Board
Hurley (Berkshire)	A	1953	51 32N	00 49W	SU-823829	Grassland Research Institute
Hurn, BOURNEMOUTH AIRPORT (Dorset)	M	1963	50 47N	01 50W	SZ-117978	Meteorological Office
Hurstpierpoint (West Sussex)	C	1977	50 57N	00 10W	TQ-292174	Hurstpierpoint College
Hyde Park, Mallusk (Antrim)	C	1974	54 41N	06 00W	IJ-295824	Michelin (Belfast) Ltd
Ilfracombe (Devon)	H	1912	51 12N	04 08W	SS-520478	North Devon District Council
Ilkley (West Yorkshire)	C	1922	53 56N	01 50W	SE-125478	Bradford Metropolitan District Council
Inchterf (Strathclyde)	D	1976	55 57N	04 07W	NS-678759	Ministry of Defence
Innsworth (Gloucestershire)	M	1976	51 53N	02 12W	SO-866214	Meteorological Office
Inverness (Highland)	C	1914	57 29N	04 13W	NH-668462	Fire Brigade
Inverpolly (Highland)	C	1963	58 04N	05 16W	NC-074134	Nature Conservancy Council
Inverurie (Grampian)	C	1968	57 16N	02 22W	NJ-779204	Grampian Regional Council
Isle of Grain (Kent)	D	1956	51 26N	00 42E	TQ-879749	Kent Oil Refinery
Isle of Rhum (Highland)	C	1958	57 01N	06 17W	NM-402996	Nature Conservancy Council
Jersey (Channel Isles)						
Airport	M	1956	49 12N	02 12W	WV-588508	States Airport
Gorey Castle	C	1962	49 12N	02 01W	WV-695545	States Committee of Tourism
St Helier	H	1924	49 12N	02 06W	WV-652493	Harbours & Airport Committee
Keele (Staffordshire)	C	1952	53 00N	02 16W	SJ-820446	Keele University
Keiss (Highland)	C	1973	58 33N	03 07W	ND-355621	Mr. J. Will
Keith (Grampian)	C	1975	57 33N	02 57W	NJ-433518	Grampian Regional Council
Kelso (Borders)	C	1967	55 36N	02 25W	NT-736346	Borders Regional Council
Kensington Palace (Greater London)	C	1918	51 31N	00 10W	TQ-259801	Department of the Environment
Kew (Greater London)	M	1884	51 28N	00 19W	TQ-171757	Meteorological Office
Kielder Castle (Northumberland)	C	1951	55 14N	02 34W	NY-632935	Forestry Commission
Kildonan (Strathclyde)	X	1966	55 26N	05 06W	NS-035209	Department of Trade & Industry
Kilkeel (Down)	X	1957	54 03N	06 00W	IJ-315140	Department of Trade & Industry

Station(Region/County)	Type	First published in MWR	Lat.	Long.	Grid Reference	Authority
Killin (Central)	X	Not Publ.	56 29N	04 21W	NN-546348	North of Scotland Hydro-Electric Board
Killough (Down)	X	1964	54 14N	05 37W	IJ-540353	Department of Trade & Industry
Kilmarnock (Strathclyde)	C	1907	55 37N	04 31W	NS-414378	Kilmarnock & Loudon District Council
Kilroot Power Station (Antrim)	C	1976	54 43N	06 43W	IJ-433887	N.I. Electricity Service
Kindrogan (Tayside)	C	1973	56 45N	03 35W	NO-054629	Field Studies Association
Kinlochewe (Highland)	C	1954	57 37N	05 18W	NH-024630	Nature Conservancy Council
Kinloss (Grampian)	M	1952	57 39N	03 34W	NJ-067627	Meteorological Office
Kinross (Tayside)	C	1969	56 13N	03 25W	NO-125033	Sir David Montgomery.
Kirkcaldy (Fife)	C	1951	56 06N	03 10W	NT-268912	Kirkcaldy District Council
Kirkham (Lancashire)	A	1952	53 48N	02 53W	SD-414347	Experimental Horticultural Station
Kirkintilloch (Strathclyde)	C	Not Publ.	55 57N	04 08W	NS-665743	Mr. A. McGugan
Kirkwall. KIRKWALL AIRPORT (Orkney)	M	1928	58 57N	02 54W	HY-483076	Meteorological Office
Kirton (Lincolnshire)	A	1975	52 54N	00 00W	TF-299395	Min. of Agriculture, Fisheries & Food
Knapdale Forest (Strathclyde)	C	1968	56 04N	05 33W	NR-789909	Forestry Commission
Knockanrock (Highland)	C	1968	58 02N	05 05W	NC-187087	Nature Conservancy Council
Knockarevan (Fermanagh)	X	1974	54 25N	08 05W	IG-944526	Mr. T. McGorty
Knutsford (Cheshire)	C	1962	53 18N	02 21W	SJ-757783	Mr. R. Bowles
Lacock (Wiltshire)	A	1951	51 26N	02 07W	ST-923702	Lackham College of Agriculture
Lagganlia (Highland)	C	1972	57 07N	03 53W	NH-856038	Mr. J. Paisley
Lairg (Highland)	C	1971	58 01N	04 24W	NC-578055	Forestry Commission
Lake Vyrnwy (Powys)	C	1941	52 45N	03 28W	SJ-017188	Severn-Trent Water Authority
Lambourn, Warren Farm (Berkshire)	C	1976	51 32N	01 29W	SU-355817	The Manager, Warren Farm
Lanark (Strathclyde)	C	1965	55 40N	03 47W	NS-875434	Lanark District Council
Largs (Strathclyde)	C	Not Publ.	55 48N	04 51W	NS-215603	Cunninghame District Council
Larkhill (Wiltshire)	M	1920	51 12N	01 48W	SU-137447	Meteorological Office
Leadhills (Strathclyde)	C	1953	55 25N	03 45W	NS-888151	Mr. K. Wilson
Leckford (Hampshire)	C	1936	51 07N	01 27W	SU-393365	Leckford Estate
Leeming (North Yorkshire)	M	1966	54 18N	01 32W	SE-306890	Meteorological Office
Lee-on-Solent (Hampshire)	M	Not Publ.	50 48N	01 13W	SU-560020	Naval Weather Service
Leitholm (Borders)	C	1972	55 42N	02 20W	NT-788453	Mr. P. MacFarlane
Lentran (Highland)	C	1975	57 27N	04 23W	NH-578436	Mr. F. Geddes
Lerwick (Shetland)	M	1939	60 08N	01 11W	HU-453397	Meteorological Office
Letchworth (Hertfordshire)	C	1960	51 58N	00 13W	TL-208346	Anglian Water Authority
Letcombe Regis (Oxfordshire)	C	1961	51 35N	01 27W	SU-380863	Agricultural Research Council
Lethamhill Farm (Northumberland)	C	1977	55 39N	02 06W	NT-936389	Ford & Etal Estates
Leuchars (Fife)	M	1922	56 23N	02 52W	NO-468209	Meteorological Office
Levington (Suffolk)	C	1978	52 01N	01 16E	TM-241399	Fisons Ltd
Lincoln (Lincolnshire)	C	1945	53 14N	00 34W	SK-962719	City Council
Linton-on-Ouse (North Yorkshire)	M	1975	54 03N	01 15W	SE-492615	Meteorological Office
Lisnafillan (Antrim)	C	1964	54 51N	06 19W	ID-075023	Gallagher Ltd
Lisnaskea (Fermanagh)	C	1966	54 16N	07 28W	IH-341351	Milk Marketing Board
Little Butser (Hampshire)	C	Not Publ.	50 59N	00 59W	SU-719209	Butser Ancient Farm Project
Littlehampton (West Sussex)	H	1916	50 48N	00 32W	TQ-033018	Arun District Council
Little Parndon (Essex)	C	1952	51 47N	00 05E	TL-446108	Thames Water Authority
Livingston (Lothian)	C	1970	55 53N	03 32W	NT-035659	Livingston Development Corporation
Lizard (Cornwall)	X	1932	49 57N	05 12W	SW-700119	Department of Trade & Industry
Llanfair Caereinion (Powys)	C	1978	52 39N	03 17W	SJ-133057	Mr R. W. Parr
Llangenny (Powys)	C	1976	51 51N	03 06W	SO-241184	Pendarren House Outdoor Education Centre
Llwynon (Mid Glamorgan)	C	1952	51 47N	03 26W	SO-013115	Welsh National Water Development Authority
Llyn Alaw (Gwynedd)	C	1975	53 20N	04 27W	SH-384854	Welsh National Water Development Authority
Loggerheads (Clwyd)	C	1962	53 03N	03 14W	SJ-201622	Liverpool Education Committee
London Weather Centre (Greater London)	M	1929	51 31N	00 07W	TQ-308816	Meteorological Office
Long Ashton (Avon)	A	1920	51 26N	02 40W	ST-537699	Bristol University
Long Sutton (Hampshire)	A	1924	51 15N	00 56W	SU-748467	Lord Wandsworth College

Station(Region/County)	Type	First published in MWR	Lat.	Long.	Grid Reference	Authority
Lossiemouth (Grampian)	M	1961	57 43N	03 20W	NJ-213699	Meteorological Office
Lough Bradan (Tyrone)	C	1963	54 36N	07 36W	IH-259725	Rural District Council
Loughermore Forest (Londonderry)	C	1962	54 57N	07 05W	IC-584128	Forestry Division
Loughgall (Armagh)	A	1959	54 24N	06 36W	IH-907519	Plant Breeding Division
Lough Navar Forest (Fermanagh)	C	1962	54 26N	07 54W	IH-062546	Forestry Division
Lowestoft (Suffolk)	H	1899	52 30N	01 45E	TM-543947	Waveney District Council
Low Etherley (Durham)	C	1976	54 39N	01 44W	NZ-169289	Mr. K. Cook
Lowther Hill (Strathclyde)	C	1976	55 23N	03 45W	NS-890107	National Air Traffic Services
Lowtown (Antrim)	A	1966	54 50N	06 01W	ID-276005	Greenmount Agricultural College
Luddington (Warwickshire)	A	1952	52 10N	01 45W	SP-167528	Experimental Horticultural Station
Lurgan (Armagh)	C	1966	54 27N	06 20W	IJ-073569	Craigavon Development Commission
Luton (Bedfordshire)	C	1920	51 53N	00 22W	TL-118216	Airport Director
Lyneham (Wiltshire)	M	1946	51 30N	01 59W	SU-014793	Meteorological Office
Lynemouth (Tyne & Wear)	C	Not Publ.	55 12N	01 32W	NZ-292897	Alcan Lynemouth
Lyonshall (Hereford & Worcester)	C	1948	52 13N	02 58W	SO-339576	Mr. R. H. Green
Macclesfield (Cheshire)	C	1912	53 15N	02 08W	SJ-911741	Borough Council
Machrihanish (Strathclyde)	M	1965	55 26N	05 42W	NR-663226	Meteorological Office
Magherally (Down)	C	1978	54 21N	06 09W	IJ-173472	Mr. J. Elliott
Malham Tarn (North Yorkshire)	C	1950	54 06N	02 10W	SD-893672	Field Studies Council
Malvern (Hereford & Worcester)	C	1912	52 06N	02 18W	SO-790461	Malvern Hills District Council
Manchester Weather Centre (Greater Manchester)	M	1961	53 29N	02 15W	SJ-839985	Meteorological Office
Mansfield (Nottinghamshire)	C	1926	53 09N	01 11W	SK-543619	Mansfield District Council
Manston (Kent)	M	1961	51 21N	01 21E	TR-335666	Meteorological Office
March (Cambridgeshire)	C	1972	52 32N	00 05E	TL-421967	Middle Level Commissioners
Marchmont (Borders)	C	1887	55 44N	02 25W	NT-743484	Mr. R. L. McEwen
Margate (Kent)	H	1898	51 24N	01 24E	TR-368714	Thanet District Council
Marham (Norfolk)	M	1952	52 39N	00 33E	TF-726094	Meteorological Office
Marholm (Cambridgeshire)	C	1978	52 36N	00 19W	TF-145020	Lord Fitzwilliam
Marlborough (Wiltshire)	C	1884	51 25N	01 44W	SU-185686	Marlborough College
Martyr Worthy (Hampshire)	A	1959	51 06N	01 16W	SU-517338	Experimental Husbandry Farm
Medmenham (Buckinghamshire)	C	1963	51 33N	00 50W	SU-805839	Water Research Centre
Mepal (Cambridgeshire)	A	1969	52 26N	00 05E	TL-431826	Min. of Agriculture, Fisheries & Food
Merrist Wood (Surrey)	C	Not Publ.	51 16N	00 37W	SU-967537	Merrist Wood Agricultural College
Mickleham (Surrey)	C	1952	51 16N	00 19W	TQ-173527	Field Studies Council
Middle Wallop (Hampshire)	M	1974	51 09N	01 34W	SU-298387	Meteorological Office
Milford Haven Conservancy Board (Dyfed)	X	1965	51 42N	05 03W	SM-892054	Conservancy Board
Millport (Strathclyde)	C	1975	55 45N	04 54W	NS-175544	University Marine Biological Association
Moel Cynnedd (Powys)	C	1969	52 29N	03 43W	SN-843877	Natural Environment Research Council
Moneydig (Londonderry)	X	1939	54 59N	06 42W	IC-890170	Mr. J. Porter
Monks Wood (Cambridgeshire)	C	1964	52 24N	00 14W	TL-202797	Institute of Terrestrial Ecology
Montrose (Tayside)	C	1917	56 45N	02 29W	NO-707617	Sunnyside Royal Hospital
Moor House (Cumbria)	C	1953	54 41N	02 23W	NY-758328	Nature Conservancy Council
Morecambe (Lancashire)	H	1915	54 04N	02 52W	SD-431645	Lancaster City Council
Moreton Morrell (Warwickshire)	A	1955	52 12N	01 33W	SP-306553	Warwickshire College of Agriculture
Morley St Botolph (Norfolk)	A	1969	52 33N	01 03E	TM-061996	Norfolk Agricultural Station
Moulton Park (Northamptonshire)	C	1977	52 16N	00 53W	SP-765644	Nene College
Mount Batten. PLYMOUTH/MOUNT BATTEN (Devon)	M	1920	50 21N	04 07W	SX-492529	Meteorological Office
Mull of Galloway (Dumfries & Galloway)	X	1958	54 38N	04 51W	NX-157304	Northern Lighthouse Board
Mumbles Head. MUMBLES (West Glamorgan)	X	1959	51 34N	03 59W	SS-626871	Department of Trade & Industry
Murlough (Down)	C	1969	54 15N	05 51W	IJ-407352	Queen's University
Mylnefield (Tayside)	A	1955	56 27N	03 04W	NO-341299	Horticultural Research Institute
Nairn (Highland)	C	1884	57 35N	03 54W	NH-867568	Nairn District Council
Neath (West Glamorgan)	C	1956	51 39N	03 51W	SS-715958	National Oil Refineries Ltd
Ness Gardens (Cheshire)	C	1966	53 16N	03 03W	SJ-305756	Liverpool University

Station(Region/County)	Type	First published in MWR	Lat.	Long.	Grid Reference	Authority
Nettlecombe (Somerset)	C	1969	51 08N	03 21W	ST-057378	Field Studies Council
Nettlecombe, Birds Hill (Somerset)	C	1977	51 07N	03 20W	ST-055362	Field Studies Council
Newcastle Weather Centre (Tyne & Wear)	M	1976	54 58N	01 37W	NZ-245643	Meteorological Office
Newport (Salop)	A	1928	52 46N	02 26W	SJ-712204	Agricultural College
Newquay (Cornwall)	H	1891	50 25N	05 05W	SW-812614	Borough of Restormel
Newry (Down)	C	1978	54 08N	06 16W	IJ-091247	Department of the Environment
Newthorpe (Nottinghamshire)	C	1973	53 00N	01 17W	SK-477449	Severn-Trent Water Authority
Newton Rigg (Cumbria)	A	1903	54 40N	02 47W	NY-493310	College of Agriculture & Forestry
Newton Stewart (Dumfries & Galloway)	C	1965	54 57N	04 29W	NX-406657	Douglas-Ewart High School
Newtownabbey (Antrim)	A	1965	54 39N	05 55W	IJ-340802	Nematology Laboratory
Newtown Linford (Leicestershire)	C	1960	52 41N	01 13W	SK-530095	Mr. E. A. Bonser
North Heath (West Sussex)	A	1969	50 59N	00 29W	TQ-069227	West Sussex School of Agriculture
North Hessary Tor (Devon)	X	Not Publ.	50 33N	04 00W	SX-577742	British Broadcasting Corporation
Nottingham (Nottinghamshire)	C	1903	52 57N	01 09W	SK-568395	City Council
Nunraw Abbey (Lothian)	C	1973	55 51N	02 39W	NT-594700	Forth River Purification Board
Oaken (Staffordshire)	C	1943	52 35N	02 12W	SJ-857031	Mr. I. H. Houston
Okehampton (Devon)	X	1978	50 43N	04 00 W	SX-585928	Mr & Mrs T. W. Brooks
Onich (Highland)	C	1924	56 43N	05 13W	NN-030635	Forestry Commission
Orielton (Dyfed)	C	1965	51 39N	04 57W	SR-953992	Field Studies Council
Orlock Head (Down)	X	1969	54 40N	05 35W	IJ-559833	Department of Trade & Industry
Oswestry (Salop)	C	1943	52 51N	03 04W	SJ-278293	Liverpool Corporation
Oxford (Oxfordshire)	C	1884	51 46N	01 16W	SP-509072	Radcliffe Observatory
Paisley (Strathclyde)	C	1914	55 51N	04 26W	NS-478642	Coats Observatory
Palnure (Dumfries & Galloway)	C	1959	54 57N	04 25W	NX-452646	Forestry Commission
Parkhead (Central)	C	1971	56 09N	03 55W	NS-812972	Stirling University
Parkmore Forest (Antrim)	C	1965	55 01N	06 07W	ID-203207	Queen's University
Pathhead (Lothian)	C	1975	55 53N	02 56W	NT-413662	Scottish Plant Breeding Research Station
Penicuik (Lothian)	C	1944	55 50N	03 13W	NT-233599	Dr. J. T. Baldwin
Penkridge (Staffordshire)	A	1958	52 42N	02 06W	SJ-920116	Farm Institute
Penmaen (West Glamorgan)	A	1969	51 35N	04 07W	SS-531888	Mr. J. S . Powell
Penwhirn (Dumfries & Galloway)	C	1959	54 59N	04 55W	NX-127693	Dumfries & Galloway Regional Council
Pen-y-Ffridd (Gwynedd)	A	1955	53 13N	04 09W	SH-563705	University College of North Wales
Penzance (Cornwall)	H	1908	50 07N	05 32W	SW-473300	Penwith District Council
Pershore College of Horticulture (Hereford & Worcester)	A	1957	52 06N	02 03W	SO-959449	College of Horticulture
Perth (Tayside)	C	1914	56 24N	03 27W	NO-101239	Perth & Kinross District Council
Pickering (North Yorkshire)	C	1964	54 15N	00 46W	SE-795842	Mr. J. Randall
Pitreavie (Fife)	M	1961	56 03N	03 25W	NT-117848	Meteorological Office
Plumpton (East Sussex)	A	1966	50 54N	00 05W	TQ-356135	Southern Water Authority
Plymouth Hoe (Devon)	C	1884	50 22N	04 08W	SX-478537	City Council
Point of Ayre (Isle of Man)	X	1935	54 25N	04 22W	NX-463047	Northern Lighthouse Board
Pomerpy Forest (Tyrone)	C	1963	54 35N	06 54W	JH-705724	Forestry Division
Pontefract (West Yorkshire)	C	1926	53 42N	01 19W	SE-452219	King's School
Poole (Dorset)	H	1939	50 45N	01 59W	SZ-005938	Wessex Water Authority
Poolewe (Highland)	C	1962	57 47N	05 36W	NG-861818	National Trust
Port Ellen (Strathclyde)	X	1971	55 41N	06 16W	NR-329516	Department of Trade & Industry
Porthcawl (Mid Glamorgan)	C	1972	51 27N	03 43W	SS-822771	Ogwr Borough Council
Portland Bill Coastguard (Dorset)	X	1967	50 31N	02 27W	SY-677692	Department of Trade & Industry
Porton (Wiltshire)	M	1918	51 07N	01 42W	SU-210366	Meteorological Office
Port Talbot (West Glamorgan)	C	1953	51 34N	03 45W	SS-789867	Steel Company of Wales
Post Office Tower (Greater London)	D	1974	51 31N	00 09W	TQ-291820	Meteorological Office

Station(Region/County)	Type	First published in MWR	Lat.	Long.	Grid Reference	Authority
Prabost (Highland)	X	1960	57 28N	01 19W	NG-418501	Mr. R. M. Murray
Prawle Point (Devon)	X	1972	50 12N	03 43W	SX-773351	Department of Trade & Industry
Prestatyn (Clwyd)	H	1939	53 21N	03 24W	SJ-061837	Borough of Rhuddlan
Preston (Lancashire)	C	1952	53 46N	02 42W	SD-537311	Preston Polytechnic
Preston Montford (Salop)	C	1977	52 43N	02 50W	SJ-432144	Preston Montford Field Centre
Preston Wynne (Hereford & Worcester)	A	1952	52 07N	02 30W	SO-565475	Rosemaund Experimental Husbandry Farm
Prestwick (Strathclyde)	M	1939	55 30N	04 35W	NS-369261	Meteorological Office
Princetown (Devon)	C	1912	50 33N	03 59W	SX-586741	H.M. Prison
Rannoch (Tayside)	D	1959	56 41N	04 35W	NN-423575	British Transport Commission
Raunds (Northamptonshire)	C	1942	52 20N	00 31W	SP-991721	Mr. T. C. Smith
Reading (Berkshire)	A	1904	51 26N	00 56W	SU-739719	Reading University
Redesdale (Northumberland)	A	1976	55 15N	02 16W	NY-835955	Experimental Husbandry Farm
Rhoose. CARDIFF - WALES AIRPORT (South Glamorgan)	M	1954	51 24N	03 21W	ST-064679	Meteorological Office
Rhuvaal (Strathclyde)	X	1958	55 55N	06 08W	NR-425792	Northern Lighthouse Board
Rhyl (Clwyd)	H	1899	53 19N	03 30W	SJ-002807	Borough of Rhuddlan
Ringway. MANCHESTER AIRPORT (Greater Manchester)	M	1942	53 21N	02 16W	SJ-821849	Meteorological Office
Rodney Stoke (Somerset)	C	1966	51 15N	02 43W	ST-488501	Nature Conservancy Council
Rogate (West Sussex)	C	1970	51 00N	00 51W	SU-809237	London University
Ronaldsway. ISLE OF MAN/ RONALDSWAY AIRPORT (Isle of Man)	X	1948	54 05N	04 38W	SC-279687	Isle of Man Government
Rosetta (Down)	C	1965	54 34N	05 55W	IJ-346712	Carolan Grammer School
Rosewarne (Cornwall)	A	1954	50 13N	05 18W	SW-643412	Experimental Horticultural Station
Roslin (Lothian)	C	1974	55 51N	03 09W	NT-273636	Poultry Research Centre
Rothamsted (Hertfordshire)	A	1884	51 48N	00 21W	TL-132134	Experimental Station
Rothesay (Strathclyde)	C	1908	55 50N	05 04W	NS-083649	Mr. J. B. Simpson
Rugby (Warwickshire)	C	1956	52 22N	01 15W	SP-507749	Rugby Weather Bureau
Rumleigh (Devon)	C	Not publ.	50 29N	04 11W	SX-445677	Plymouth Polytechnic
Rustington (West Sussex)	A	1961	50 49N	00 31W	TQ-048032	Glasshouse Crops Research Inst.
Ruthin (Clwyd)	C	1960	53 07N	03 18W	SJ-133584	Brynhyfryd School
Ryde (Isle of Wight)	H	1914	50 44N	01 10W	SZ-595929	Borough Council
St Abb's Head (Borders)	X	1937	55 55N	02 08W	NT-914693	Northern Lighthouse Board
St Albans (Hertfordshire)	A	1923	51 46N	00 18W	TL-182076	Institute of Agriculture
St Andrews (Fife)	H	1913	56 20N	02 48W	NO-503167	North East Fife District Council
St Austell, Bethel (Cornwall)	C	1977	50 21N	04 45W	SX-041532	Borough of Restormel
St Catherines Point (Isle of Wight)	X	1959	50 35N	01 17W	SZ-506755	Trinity House
St Helens (Merseyside)	C	1976	53 26N	02 46W	SJ-488938	Pilkington Glass
St James Park (Greater London)	C	1905	51 30N	00 08W	TQ-299799	Meteorological Office
St Johns (Cornwall)	C	1976	50 37N	04 22W	SX-327839	S.W. Water Authority
St Kilda (Western Isles)	C	Not publ.	57 48N	08 34W	NF-104991	R.A. Range
St Mawgan (Cornwall)	M	1956	50 26N	05 00W	SW- 873642	Meteorological Office
Sandown (Isle of Wight)	H	1908	50 39N	01 09W	SZ-604846	South Wight Borough Council
Santon Downham (Norfolk)	A	1959	52 28N	00 41E	TL-813901	Forestry Commission
Saxa Vord (Shetland)	X	Not publ.	60 50N	00 50W	HP-631167	Ministry of Defence
Scalpay (Western Isles)	C	Not publ.	57 52N	06 42W	NG-215967	Scalpay Junior Secondary School
Scampton (Lincolnshire)	M	1975	53 19N	00 33W	SK-966802	Meteorological Office
Scarborough (North Yorkshire)	H	1884	54 17N	00 25W	TA-031884	Borough Council
Scatsta (Shetland)	C	Not publ.	60 27N	01 18W	HU-382730	U.S.C.G. Lormonsta
Scilly. SCILLY/ST MARY'S (Cornwall)	X	1884	49 56N	06 18W	SV-910120	Department of Trade & Industry
Scole (Norfolk)	C	1972	52 22N	01 11E	TM-151 788	Mr. L. Atkinson
Seahouses (Northumberland)	X	1965	55 35N	01 39W	NU-218321	Department of Trade & Industry
Sellafield (Cumbria)	C	1952	54 25N	03 30W	NY-027032	British Nuclear Fuels Ltd
Shanklin (Isle of Wight)	H	1948	50 37N	01 11W	SZ-581808	South Wight Borough Council
Shawbury (Salop)	M	1946	52 48N	02 40W	SJ-553221	Meteorological Office
Sheffield, Dore (South Yorkshire)	C	1977	53 20N	01 32W	SK-309817	Mr. S. T. Whitaker
Sheffield, Weston Park (South Yorkshire)	C	1898	53 23N	01 29W	SK-339873	Sheffield City Museums
Sheffield University (South Yorkshire)	D	1975	53 23N	01 29W	SK-341875	Sheffield University

Station(Region/County)	Type	First published in MWR	Lat.	Long.	Grid Reference	Authority
Shin (Highland)	X	1964	57 57N	04 25W	NH-573974	Generating Station
Shinfield, N.I.R.D. (Berkshire)	A	1976	51 25N	00 57W	SU-729684	National Institute for Research in Dairying
Shipston-on-Stour (Warwickshire)	C	1941	52 04N	01 42W	SP-213407	Sir Adrian Beecham. Bart.
Shirburn Model Farm (Oxfordshire)	C	1969	51 40N	00 59W	SU-695971	Mr. J. D. G. Parker
Shoeburyness (Essex)	M	1903	51 32N	00 49E	TQ-948857	Meteorological Office
Shrewsbury (Salop)	C	1930	52 43N	02 43W	SJ-517136	Severn-Trent Water Authority
Sidmouth (Devon)	C	1924	50 41N	03 14W	SY-124873	East Devon District Council
Silent Valley (Down)	C	1978	54 07N	06 00W	IJ-305216	Department of the Envirnment
Silpho Moor (North Yorkshire)	A	1953	54 20N	00 31W	SE-957946	Forestry Commission
Silsoe (Bedfordshire)	A	1953	52 01N	00 25W	TL-092358	National Institute of Agricultural Engineering
Skegness (Lincolnshire)	H	1904	53 09N	0021E	TF-569631	East Lindsey District Council
Skokholm Island (Dyfed)	C	1976	51 42N	05 16W	SM-739051	Field Studies Council
Slaidburn (Lancashire)	C	1955	53 59N	02 26W	SD-717547	N.W. Water Authority
Slapton (Devon)	C	1961	50 11N	03 37W	SX-824449	Field Studies Council
Sloy (Strathclyde)	X	1966	56 15N	04 43W	NN-321098	North of Scotland Hydro-Electric Board
Snaefell (Isle of Man)	X	Not publ.	54 15N	04 28W	SC-397880	Civil Aviation Authority
Snaizeholme (North Yorkshire)	A	1976	54 16N	02 15W	SD-830865	Mr. H. Kemp
Southampton, Mayflower Park (Hampshire)	M	1884	50 54N	01 24W	SU-416112	Meteorological Office
Southampton Weather Centre (Hampshire)	M	1976	50 54N	01 24W	SU-420115	Meteorological Office
South Gare (Cleveland)	D	1977	54 39N	01 08W	NZ-557283	Tees & Hartlepool Port Authority
Southgate (Greater London)	C	1940	51 38N	00 07W	TQ-299952	Enfield Borough Council
Southport (Merseyside)	H	1897	53 40N	02 58W	SD-371207	N.W. Water Authority
Southsea (Hampshire)	H	1959	50 48N	01 06W	SZ-640990	City of Portsmouth
South Shields (Tyne & Wear)	D	1914	55 00N	01 26W	NZ-373677	Tyne Port Authority
Sparsholt (Hampshire)	C	1977	51 05N	01 25W	SU-427319	Hampshire College of Agriculture
Spurn Point (Humberside)	X	1977	53 34N	00 07E	TA-399108	Department of Trade & Industry
Squires Gate. BLACKPOOL AIRPORT (Lancashire)	M	1944	53 46N	03 02W	SD-316317	Meteorological Office
Stanford-le-Hope (Essex)	C	1975	51 30N	00 26E	TQ-685814	Anglian Water Authority
Stanhope Farm (Borders)	A	1957	55 33N	03 24W	NT-123296	Agricultural Research Council
Stanstead Abbotts (Hertfordshire)	C	1959	51 46N	00 00	TL-389100	Thames Water Authority
Stansted. STANSTED AIRPORT (Essex)	M	1953	51 53N	00 13E	TL-531226	Meteorological Office
Starcross (Devon)	A	1950	50 38N	03 27W	SX-972821	Ministry of Agriculture, Fisheries & Food
Stirling, Batterflats (Central)	C	1918	56 07N	03 57W	NS-786925	Stirling District Council
Stone (Staffordshire)	A	1955	52 53N	02 11W	SJ-878321	Agricultural Research Council
Stonehaugh (Northumberland)	C	1976	55 05N	02 19W	NY-795762	Forestry Commission
Stonehaven (Grampian)	C	1909	56 58N	02 12W	NO-875864	Grampian Regional Council
Stonyhurst (Lancashire)	C	1884	53 51N	02 28W	SD-692388	Stonyhurst College
Stormont Castle (Down)	C	1958	54 35N	05 48W	IJ-402749	Works Division
Stornoway (Western Isles)	M	1884	58 13N	06 19W	NB-464332	Meteorological Office
Strabane (Tyrone)	C	1967	54 49N	07 27W	IH-352974	Western Education & Library Board
Stratford-upon-Avon (Warwickshire)	A	1957	52 11N	01 44W	SP-164549	Experimental Husbandry Farm
Strathallan (Tayside)	C	1969	56 21N	03 28W	NO-090185	Strathallan School
Strathconon (Highland)	C	1969	57 33N	04 48W	NH-329551	Forestry Commission
Stronachullin (Strathclyde)	C	1976	55 58N	05 26W	NR-851795	Fish Farm Developments Ltd
Sumburgh (Shetland)	M	Not publ.	59 53N	01 18W	HU-393106	Meteorological Office
Sutton Bonington (Nottinghamshire)	A	1924	52 50N	01 15W	SK-507259	School of Agriculture
Sutton Bridge (Lincolnshire)	C	1977	52 45N	00 11E	TF-481203	Potato Marketing Board
Swanage (Dorset)	H	1939	50 37N	01 57W	SZ-030794	Town Council
Swansea (West Glamorgan)	C	1908	51 37N	03 55W	SS-642923	City Council
Tandragee (Armagh)	C	1971	54 22N	06 26W	IJ-023478	N.I. Electricity Service
Tarbatness (Highland)	X	1950	57 52N	03 46W	NH-947875	Northern Lighthouse Board
Tavistock (Devon)	C	1912	50 33N	04 10W	SX-482748	S.W. Water Authority
Teignmouth (Devon)	H	1910	50 33N	03 29W	SX-941728	Teignbridge District Council
Tenby (Dyfed)	H	1974	51 40N	04 42W	SN-138005	Tenby Borough Council
Terrington St Clement (Norfolk)	A	1951	52 45N	00 18E	TF-547187	Experimental Husbandry Farm
Thorney Island (West Sussex)	D	1958	50 49N	00 55W	SU-760026	Meteorological Office

Station(Region/County)	Type	First published in MWR	Lat.	Long.	Grid Reference	Authority
Threave (Dumfries & Galloway)	C	1962	54 56N	03 57W	NX-751607	National Trust for Scotland
Tievenny (Tyrone)	C	1974	54 43N	07 30W	IH-325863	Department of the Environment
Tiree (Strathclyde)	M	1927	56 30N	06 53W	NL-999446	Meteorological Office
Todmorden (West Yorkshire)	C	1976	53 43N	02 06W	SD-934249	Todmorden Grammar School
Tomatin (Highland)	C	1975	57 20N	04 00W	NH-793294	Highland River Purification Board
Torbay, Torquay (Devon)	H	1891	50 28N	03 31W	SX-909638	Borough of Torbay
Torrisdale (Highland)	C	1977	58 31N	04 17W	NC-674621	Maj. L.C.S. Spray
Totnes (Devon)	C	1941	50 27N	03 42W	SX-797629	Dartington Hall Trustees
Traad Point (Londonderry)	C	1974	54 43N	06 31W	IH-957872	The New University of Ulster
Trawscoed (Dyfed)	A	1952	52 20N	03 57W	SN-674736	Experimental Husbandry Farm
Trawsfynydd (Gwynedd)	X	1962	52 56N	03 56W	SH-694389	Central Electricity Generating Board
Tregaron (Dyfed)	C	1976	52 15N	03 58W	SN-667625	Nature Conservancy Council
Trowbridge (Wiltshire)	C	1977	51 19N	02 13W	ST-845583	Dr. G. T. Meaden
Tummel Bridge (Tayside)	X	1965	56 42N	04 01W	NN-772590	North of Scotland Hydro-Electric Board
Turnhouse. EDINBURGH AIRPORT (Lothian)	M	1949	55 57N	03 21W	NT-159739	Meteorological Office
Tynemouth (Tyne & Wear)	X	1912	55 01N	01 25W	NZ-374695	Department of Trade & Industry
Ulcombe (Kent)	X	1974	51 11N	00 38W	TQ-843475	Mr. R. W. Sharp
Upavon (Wiltshire)	M	1956	51 18N	01 46W	SU-162552	Meteorological Office
Uplawmoor (Strathclyde)	C	1978	55 45N	04 30W	NS-432552	Strathclyde Regional Council
Usan (Tayside)	X	1966	56 41N	02 27W	NO-724544	Department of Trade & Industry
Usk (Gwent)	A	1924	51 42N	02 55W	SO-370018	Usk College of Agriculture
Valley (Gwynedd)	M	1942	53 15N	04 32W	SH-310758	Meteorological Office
Ventnor (Isle of Wight)	H	1952	50 36N	01 13W	SZ-556778	South Wight Borough Council
Waddington (Lincolnshire)	M	1947	53 10N	00 31W	SK-988653	Meteorological Office
Waddon (Greater London)	C	1921	51 21N	00 07W	TQ-314639	Thames Water Authority
Wallingford (Oxfordshire)	C	1961	51 32N	01 10W	SU-617898	Institute of Hydrology
Walsall (West Midlands)	C	1943	52 37N	01 55W	SK-058010	Mr. J. C. W. Day
Wareham (Dorset)	D	1977	50 40N	02 11W	SY-870867	Freshwater Biological Association
Warsop (Nottinghamshire)	A	1953	53 13N	01 07W	SK-591699	Experimental Husbandry Farm
Washington (Tyne & Wear)	C	1975	54 54N	01 29W	NZ-328557	Northumbrian Water Authority
Watnall. NOTTINGHAM WEATHER CENTRE (Nottinghamshire)	M	1948	53 00N	01 15W	SK-503456	Meteorological Office
Wattisham (Suffolk)	M	1960	52 07N	00 58E	TM-026514	Meteorological Office
Wealdstone (Greater London)	C	1942	51 35N	00 20W	TQ-144898	Kodak Ltd
Wellesbourne (Warwickshire)	A	1953	52 12N	01 36W	SP-271565	National Vegetable Research Station
West Freugh (Dumfries & Galloway)	D	1949	54 51N	04 57W	NX-109546	Meteorological Office
West Kirby Park (Merseyside)	C	1926	53 23N	03 11W	SJ-216865	Metropolitan Borough of Wirral
West Linton (Borders)	C	1907	55 45N	03 21W	NT-150520	Central School
Weyland (Orkney)	C	1977	58 59N	02 57W	HY-455115	North of Scotland College of Agriculture
Weymouth (Dorset)	H	1908	50 37N	02 29W	SY-661795	Weymouth & Portland Borough Council
Whitby (North Yorkshire)	H	1939	54 29N	00 37W	NZ-893104	Scarborough Borough Council
Whitby Coastguard (North Yorkshire)	X	1963	54 29N	00 36W	NZ-904114	Department of Trade & Industry
Whitchester (Borders)	C	1964	55 49N	02 27W	NT-721589	Mrs. S. E. Landale
Whitechurch (Dyfed)	C	1976	51 59N	04 41W	SN-162356	Antur Dyfed Ltd
Whiteford Burrows (West Glamorgan)	C	1977	51 37N	04 15W	SS-438941	National Trust
Whitehall Gardens (Greater London)	D	Not publ.	51 27N	00 10W	TQ-302798	Department of the Environment
Whitehillocks (Tayside)	C	1963	56 55N	02 54W	NO-448800	Tayside Regional Council
Wick (Highland)	M	1884	58 27N	03 05W	ND-364522	Meteorological Office
Widdy Bank Fell (Durham)	C	1975	54 40N	02 17W	NY-818297	Nature Conservancy Council
Wilsden (West Yorkshire)	X	1973	53 49N	01 52W	SE-088349	Central Electricity Generating Board
Wincanton (Somerset)	C	1963	51 04N	02 25W	ST-704286	King Arthur's School
Winchester (Hampshire)	C	1953	51 05N	01 19W	SU-475294	City Council
Winfrith (Dorset)	C	1963	50 40N	02 15W	SY-820870	U.K. Atomic Energy Authority
Wingerworth (Derbyshire)	C	1969	53 12N	01 27W	SK-371669	Mr. D. S. B. Fellowes
Wisley (Surrey)	A	1904	51 17N	00 26W	TQ-063583	Royal Horticultural Society

Station(Region/Country)	Type	First Published in MWR	Lat.	Long.	Grid Reference	Authority
Wittering (Cambridgeshire)	M	1955	52 37N	00 28W	TF-043026	Meteorological Office
Woburn (Bedfordshire)	A	1904	52 01N	00 35W	SP-964360	Lawes Agricultural Trust
Woodburn North (Antrim)	C	1968	54 45N	05 53W	IJ-367905	Queen's University
Worthing (West Sussex)	H	1899	50 50N	00 21W	TQ-160035	Worthing Borough Council
Writtle (Essex)	A	1941	51 44N	00 26E	TL-677069	Essex Institute of Agriculture
Wye (Kent)	A	1924	51 11N	00 57E	TR-057489	Wye College (University of London)
Wyton (Cambridgeshire)	M	1957	52 21N	00 07W	TL-283745	Meteorological Office
Yarner Wood (Devon)	C	Not publ.	50 36N	03 44W	SX-785784	Nature Conservancy Council
Yeovilton (Somerset)	M	1965	51 00N	02 38W	ST-551237	Naval Weather Service
York, Heslington (North Yorkshire)	C	1966	53 57N	01 02W	SE-630511	Archbishop Holgate's School

Returns from the following stations ceased during 1978 but the stations are included in the above list because some information was received during the year:

Balmacara	Cannington	Leitholm
Blairgowrie	Carnoustie	Lethamhill Farm
Bournemouth	Glenrothes	Little Parndon
(Meyrick Park)	Gulval	Sloy
Bugbrooke Mills	Hope	Stonyhurst

Since January 1976 fuller climatological data have been published for the Weather Centres at Glasgow, Newcastle, Manchester, London and Southampton. It should be noted, however, that exposures at the stations are non-standard, especially with regard to temperature and rainfall, since the readings are taken at urban roof sites.

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